

Improving the quality of EU-funded projects and building know-how



SHAPE THE FUTURE

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Glossary and list of acronyms used in this report

Foreword by the Vice-President, European Investment Bank

ASPERS continued to be a key part of the EIB's advisory offer in 2016. It delivered a wider range of outputs in more countries than ever before. They included:

- Assisting Member States in preparing high quality projects for the 2014-2020 programming period and finalising the development of the last projects funded from the 2007-2013 programming period;
- Rolling out the Independent Quality Review of major projects for Member States before submission to the European Commission for grant funding;
- Providing appraisals to the European Commission for projects submitted directly by Member States, which are an important part of its internal approval process;
- Undertaking capacity building activities aimed at increasing technical and administrative capacities in beneficiary countries.

In 2016, Member States were implementing multiannual programmes co-financed by the European Structural and Investment Funds for the 2014-2020 programming period. In total, more than EUR 450 billion will be invested in Europe through ESIF in this period.

Across two programming periods, JASPERS has shown it can play a vital role by speeding up the delivery of investment in projects that promote growth and jobs. The projects already supported by JASPERS and approved by the European Commission for funding have mobilised total investment of over EUR 80 billion, of which close to EUR 12 billion was approved in 2016. Billions more are in the pipeline.

Moreover, JASPERS' role in providing technical assistance and capacity building guidance to Member States has been a crucial tool, enabling them to obtain the full benefits of EU cohesion policy at many different levels – for example, in terms of support for policy makers in the development of national strategies, help with preparing projects in emerging sectors, knowledge transfer throughout the project cycle, and support for implementation.

The proximity of JASPERS to beneficiaries, its multidisciplinary expertise and support for all stages of the project cycle, and its capacity to anticipate and adapt to new and emerging needs on the ground, make it a reliable long-term partner for Member States. In short, JASPERS plays an important part in creating the conditions for sustainable and socially-cohesive growth and produces real gains for the European citizens who will benefit from the investments it helps to advance.

Vazil Hudák

Foreword by the Vice-President, European Investment Bank



Foreword by the Director General, DG Regional and Urban Policy, European Commission

ASPERS has entered a second decade of offering high quality technical assistance for large investment projects and successfully continued its mission in 2016.

JASPERS assists Member States in preparing investment projects and investment strategies not only for Cohesion Fund Member States but also in regions in other Member States, like France or Italy. JASPERS is now providing assistance in 19 Member States and also in IPA countries. Our strengthened partnership is reflected in the expanded role of JASPERS in providing comprehensive quality reviews of major projects, resulting in considerable acceleration of the approval process by the Commission. In short, the average time for the approval of major projects in the 2014-2020 programming period has fallen below 100 calendar days, compared to 224 days in the 2007-2013 period.

We are looking forward to continuing this successful cooperation throughout the current programming period to ensure better quality of public investments in Member States and their regions, and to ensure that cohesion policy responds convincingly to the challenges and ambitions for Europe which we are all part of.

Marc Lemaître



JASPERS (Joint Assistance to Support Projects in European Regions) is an initiative aimed at improving the quality of investment supported by EU funds (European Regional Development Fund, Cohesion Fund, Connecting Europe Facility and Instrument for Pre-Accession Funds). It is a partnership between the European Commission, the European Investment Bank and the European Bank for Reconstruction and Development.

ACTIVITY REPORT

1. Overview of activities in 2016

n 2016 JASPERS had a growing role in cohesion policy, delivering services across a wider range of projects in a larger number of countries.

The scope of activities of JASPERS covers advisory support for project preparation, capacity building and project appraisal to support the process of approval by the European Commission.

The advisory function of JASPERS includes all aspects of project development, including advice on horizontal issues relevant to more than one project or more than one country and other project-related matters such as implementation support and capacity building.

Linked to the support for project preparation, JASPERS helps to strengthen the administrative capacities of public authorities. Important new areas of activity included multi-country and in-country capacity building activities, provided through the JASPERS Networking Platform to all EU Member States and Candidate Countries. A new "train the trainers" approach was also developed.

JASPERS continued to operate under three different mandates from the European Commission: its main mandate from DG Regional and Urban Policy (DG REGIO) for investments funded by the European Structural and Investment Funds; the IPA mandate from DG Neighbourhood and Enlargement Negotiations (DG NEAR); and the Connecting Europe Facility (CEF) mandate from DG Mobility and Transport (DG MOVE).

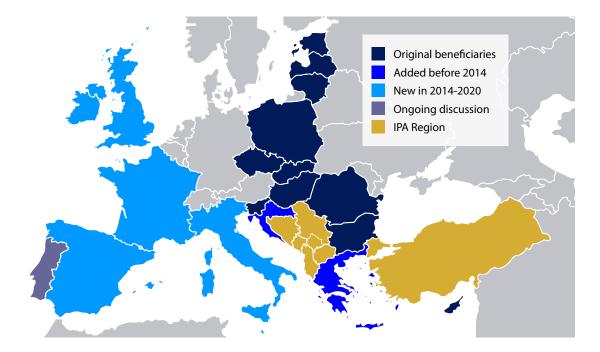
In 2016 JASPERS completed 127 assignments for all mandates¹. A total of 61 JASPERS-supported projects were approved in 2016 by the European Commission, with a total project cost of EUR 11.6 billion and total EU grant support of EUR 6.8 billion.

As at 31/12/2016, JASPERS was active in 19 beneficiary EU Member States (Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, France, Ireland, Italy, Greece, Latvia, Lithuania, Hungary, Malta, Poland, Romania, Slovenia, Slovakia, Spain and United Kingdom) and in four countries receiving assistance from the Instrument for Pre-Accession Assistance (former Yugoslav Republic of Maceedonia, Montenegro, Serbia and Turkey). JASPERS advisory support may be extended to other EU Member States and IPA countries who request it, depending on the availability of additional resources and with the agreement of the JASPERS Steering Committee.

2. Activities under JASPERS mandates

Figure 1

JASPERS beneficiary countries as of 31 December 2016



2.1 Structural and Cohesion Funds mandate

JASPERS completed 75 assignments under this mandate in 2016, compared to 90 in 2015. Although the support provided to Member States focused mostly on the preparation of major projects, there was increased demand for involvement in upstream project support, for example in relation to sector strategies and project screening, as well as capacity building.

During the year, 49 major projects were approved by the Commission. One important new development in 2016 was the approval of the first project through the Independent Quality Review process. Of these, 20 new major projects from the 2014-2020 programming period which had been appraised by JASPERS on behalf of the Commission were approved. Upon requests from the Member States concerned, in 2016 JASPERS advisory services were extended to the United Kingdom, Ireland and Spain, thus bringing to 19 the number of EU countries in which JASPERS provides advice on project development with the objective of making maximum use of Structural and Cohesion Funds.

Details of JASPERS activities in EU Member States under this mandate are available in Annexes 1 and 2. A list of the JASPERS-supported major projects approved by the European Commission in 2016 is available in Annex 5.



2.2 IPA mandate

JASPERS operates in the IPA countries in the context of the IPA II and the Serbia 2013 mandates². In 2016, there was renewed and extended support by JASPERS advisory services to IPA countries. JASPERS started to support projects in Turkey and scoping missions took place for Albania and Kosovo.

JASPERS advisory divisions continued to work in close cooperation with the national authorities, the EU Delegations in the countries concerned and DG NEAR, supporting the beneficiaries in preparing projects and proposals and facilitating the introduction of best practice methodologies and familiarisation with EU rules and regulations.

Apart from the new activities mentioned above, activities were ongoing throughout 2016 in Serbia, Turkey, Montenegro and the former Yugoslav Republic of Macedonia.

During the year, five assignments were completed and at end-December 2016, 45 assignments were receiving JASPERS assistance in the IPA beneficiary countries, with a total cost in excess of EUR 3 billion.

Details of JASPERS activities under the IPA II and Serbia mandates are available in Annexes 6 and 7.

2.3 CEF mandate

JASPERS continued to provide support to Member States which requested assistance for transport projects financed by the Connecting Europe Facility in Bulgaria, Croatia, Greece, Hungary, Romania, Slovakia and Slovenia. JASPERS advisory support related to CEF was focused mainly on the development of the TEN-T rail and road corridors.

JASPERS advisory divisions worked in close cooperation with DG MOVE and the national authorities to assist beneficiaries in preparing mature project proposals which meet the requirements under the CEF competitive call, as well as to identify potential projects for assistance. JASPERS assistance also included support for implementation to ensure that projects can reach the construction stage as rapidly as possible.

In 2016, 16 assignments were completed and 12 applications which received assistance from JASPERS were approved for assistance from the CEF in Bulgaria, Romania, Slovakia, Hungary and Croatia, with a total cost of EUR 2.4 billion. During the year, JASPERS continued to support Member States in developing projects for the second and third CEF competitive call.

Following completion of individual assignments, JASPERS prepared a Project Development Report which was submitted by the national authorities to support their application.

Details of JASPERS activities under the CEF mandate are included in Annexes 1 and 3.

²The Instrument for Pre-Accession Assistance is the financial instrument for the European Union's pre-accession process. Assistance from IPA concerns project preparation, project appraisal, horizontal issues relating to more than one project and other project-related matters such as implementation support in sectors eligible for support under the IPA Fund. In 2016, the Serbia National Programme was extended until 2019 and the IPA II agreement was signed. The agreements to implement both are within the 2014-2020 financing period.

3. Advisory activities by sector

3.1 Roads

The major projects in the roads sector contribute to Thematic Objective 7: promoting sustainable transport and removing bottlenecks in key network infrastructure. The advice provided by JASPERS is aimed at completing the TEN-T corridors by building motorways and expressways, with the objective of reducing the transit time of people and freight, increasing capacity and reducing travel time.

Besides the work on projects, JASPERS provided input into horizontal topics such as traffic data collection, analysis and modelling, value engineering, EIA and Natura 2000 procedures, climate change resilience and adaptation. Resources were also dedicated to supporting bilateral dialogue for cross-border projects, especially in Central Europe, with the objective of better integrating the road networks.

In 2016, JASPERS was also active in providing assistance to CEF projects. In addition, it continued to provide support for the finalisation of the national transport strategy in Malta and contributed to the sectoral strategies in Slovenia, Slovakia, Hungary and Croatia.

In 2016, 17 new actions were added to the roads action plans, with a total cost of EUR 6.5 billion. All the additions included projects within the 2014-20 programming period.

Figure 2

Distribution of JASPERS active assignments by sector

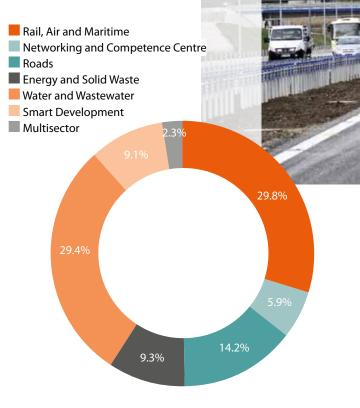


Table 1

JASPERS activity in the EU in 2016 - Roads sector

Programming period:	2007-2013	2014-2020	TOTAL
Number of active assignments at the beginning of 2016	26	42	68
Active assignments as at 31/12/2016	17	45	62
Active assignments as at 31/12/2016 – including CEF	0	0	0
Assignments completed in 2016	4	9	13
Assignments completed in 2016 – including CEF	0	4	4
Estimated investment cost of completed assignments in 2016 in EUR m	480	822	1 302
Estimated investment cost of completed assignments in 2016 in EUR m – including CEF	0	316	316
Applications for funding approved by the EC in 2016 (REGIO only)	20	19	39
Applications for funding approved by the EC in 2016 – including CEF	_	4	4
Estimated investment cost of approved projects in 2016 in EUR m (REGIO + CEF)	2 927	5 178	1 630
Estimated investment cost of approved projects in 2016 in EUR m – including CEF	_	240	_



Lublin

747 Opole Lub.

20

al. Kraśnicka

Activity report



al.Solidarno

St2 Chełm

S17 Warszawa

Biatystok

olin

Lublin

In February 2016 the European Commission approved a major project costing EUR 149.6 million, with a EUR 66.1 million contribution from the Cohesion Fund, for works on the S19 Lublin-Rzeszów express road in the South-East of Poland. This was the first major project approved in the 2014-2020 Financial perspective.

The S19 expressway links Poland with Belarus in the north and Slovakia in the south, bypassing the cities of Białystok, Lublin and Rzeszów. It is part of the "Via Carpatia" project endorsed by the European Parliament resolution of 25 October 2016 (on improving the connection and accessibility of the transport infrastructure in Central and Eastern Europe). The S19 Lublin-Rzeszów project is part of the core TEN-T network and will improve road traffic conditions around the city of Lublin, capital city of the Lubelskie region, both in terms of safety and travel time.

The project comprises the construction of a10 kmlong dual carriageway section of the S19 between the Lublin Sławinek and Lublin Węglin nodes of the Lublin-Rzeszów road.

JASPERS assisted with the preparation of the grant application in order to ensure its completeness, consistency and quality. This assignment also included the review of and comments on the feasibility study, including cost-benefit analysis, and the environmental documents and decisions in order to ensure adequate justification for the project and compliance with EU requirements.

Figure 3

JASPERS portfolio in the roads sector (active assignments as at 31/12/2016 and assignments completed in the EU in 2016)

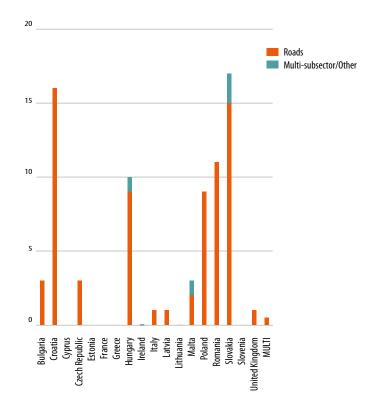
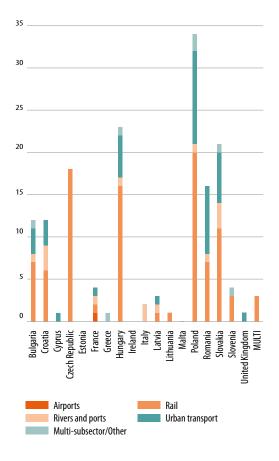




Figure 4

JASPERS portfolio in the rail, air and maritime sector (active assignments as at 31/12/2016 and assignments completed in the EU in 2016)



In 2016 JASPERS continued its support for sustainable transport projects, working on a portfolio of 156 assignments in the sector with an estimated investment cost of approximately EUR 30 billion.

The principal focus was to upgrade the TEN-T rail network to provide a competitive and environmentally friendly mode of transport. The bulk of investment and funding was therefore allocated to meeting these objectives.

In addition to the project-specific activities, JASPERS assisted managing authorities and beneficiaries in a number of horizontal assignments which represent key elements of the overall project preparation and implementation. JASPERS worked intensively on the preparation of the investment pipeline through the development of national and regional transport plans which provide the strategic context for transport investment for the 2014-2020 programming period.

JASPERS provided support to Member States for transport projects financed by the Connecting Europe Facility, notably in Bulgaria, Croatia, Hungary, Romania, Slovakia and Slovenia. JASPERS support related to the CEF is primarily focused on the development of the TEN-T corridors and is advanced in close cooperation with DG MOVE and the national authorities to assist beneficiaries in preparing mature project proposals which meet the requirements under the CEF competitive call, as well as to identify potential projects for assistance. JASPERS continued to support Member States in the second half of 2016 in developing projects for the third CEF competitive call.



National transport strategy and support for functional regional concepts

Since 2013, JASPERS has been helping the Ministry of the Sea, Transport and Infrastructure of Croatia to develop a successful strategy for the development of the transport system in the country. This strategy is also a requirement of the European Commission as an ex-ante conditionality for obtaining funds for the 2014-2020 programming period. There has been a high level of participation by the different stakeholders involved and the methodological approach proposed by JASPERS has been a<u>ccepted</u>.

On the basis of the strategy, which is dealing with the international and national transport issues, "functional regional concepts" are under development. Six functional areas have been identified around the main Croatian cities (Zagreb, Osijek, Zadar, Split, Dubrovnik and Rijeka), and workshops have been held to explain the purpose and methodology of the strategy and encourage the participation of the different stakeholders.

The main needs identified are a clearer institutional structure for the sector, including the creation of local/ regional transport authorities, and definition of the tasks of planning, budgeting and monitoring the transport services in their area.

Table 2

JASPERS activity in the EU in 2016 - Rail, air and maritime sector

Programming period:	2007-2013	2014-2020	TOTAL
Number of active assignments at the beginning of 2016	51	88	139
Active assignments as at 31/12/2016	32	102	134
Active assignments as at 31/12/2016 – including CEF	0	5	5
Assignments completed in 2016	6	16	22
Assignments completed in 2016 – including CEF		11	12
Estimated investment cost of completed assignments in 2016 in EUR m		3 849	6 1 3 2
Estimated investment cost of completed assignments in 2016 in EUR m – including CEF		2 089	3 613
Applications for funding approved by the EC in 2016 (REGIO only)		1	10
Applications for funding approved by the EC in 2016 – including CEF	_	8	8
Estimated investment cost of approved projects in 2016 in EUR m (REGIO + CEF)	1 076	2 413	3 489
Estimated investment cost of approved projects in 2016 in EUR m – including CEF	_	1 893	1 893

3.3 Water and Wastewater

The projects supported by JASPERS in the water and wastewater sector contribute mainly to two thematic objectives of the CPR 2014-2020: TO 5 (climate change adaptation and risk management and prevention) and TO 6 (environmental protection and resource efficiency).

Projects related to TO 5 mainly concern flood risk management and coastal protection as well as preparedness for and efficient response to disasters. Under the heading of TO 6, JASPERS supports a significant portfolio of wastewater projects aiming at compliance with relevant EC Directives. In addition, horizontal assignments related to national/regional risk assessments, national sludge management plans, cost-benefit analysis and feasibility study development have been carried out, and these have an enabling impact on individual project development. Support for a dialogue on the management of accidents and disasters was also provided to strengthen cooperation between Member States on cross-border topics.

In 2016, JASPERS completed 21 assignments in the water sector, with a total cost of more than EUR 1.1 billion. 30 new assignments were included in the portfolio of water projects, of which 25 aim at bringing major projects to maturity and five concern advice for non-major projects to be approved at national level. The combined cost of these projects is estimated to exceed EUR 2 billion; these investments will be funded during the 2014-2020 financial perspective.

Figure 5

JASPERS portfolio in the water sector (active assignments as at 31/12/2016 and assignments completed in the EU in 2016)

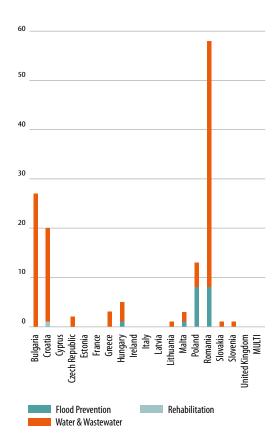


Table 3

JASPERS activity in the EU in 2016 – Water and wastewater sector

Programming period:	2007-2013	2014-2020	TOTAL
Number of active assignments at the beginning of 2016	9	101	110
Active assignments as at 31/12/2016	4	109	113
Assignments completed in 2016	1	20	21
Estimated investment cost of completed assignments in 2016 in EUR m	0	1 189	1 189
Applications for funding approved by the EC in 2016	0	_	0
Estimated investment cost of approved projects in 2016 in EUR m	0	_	0

Activity report

Operational Programme Bulgaria, screening of eight non-major projects

Under the OP Environment, Bulgaria will invest in projects aimed at improving compliance with the Environmental Acquis – primarily investments in water and wastewater infrastructure. The EU Structural Funds allocation to this programme is EUR 1 billion for the 2014-2020 financing period.

In order to carry out the investment in a systematic way, Regional Feasibility Studies are currently tendered out for 16 of the 28 designated territories for water operators in Bulgaria. JASPERS is providing horizontal assistance – for example by providing terms of reference and assisting in programme administration – as well as project-related assistance.

Construction of these projects is expected to take place from 2018 onwards. An interim phase of investments was agreed between DG REGIO, the Bulgarian managing authority and JASPERS including:

- Phased projects from the financing period of 2007-2013
- Five projects previously submitted as major projects but not started under the 2007-2013 period
- Payments for technical assistance for the preparation of Regional Feasibility Studies
- Up to five non-major projects and up to three reserve projects, with a total cost of up to EUR 50 million, mainly greenfield wastewater treatment plant investments. Those projects originate from the 2007-2013 financing period.

The eligible investments above were capped with a total amount of EUR 300 million in order to keep the remaining funds for the Regional Feasibility Studies.

3.4 Energy and Solid Waste

The projects supported in this sector relate to several thematic objectives: TO4 (supporting the move towards a low carbon economy), TO6 (preserving and protecting the environment and promoting resource efficiency) and TO7 (improvements to network infrastructure).

The advice provided by JASPERS in 2016 targeted major projects and horizontal and upstream issues, but also involved support for schemes and non-major and smaller projects contributing to the thematic objectives.

In line with the geographical extension of JASPERS advisory activities, the coverage in the sector was extended to include France and Italy, supporting renewable energy and energy efficiency projects. In addition, new activities in the waste sector in Turkey were carried out. Activities in Greece were reinforced mainly in the energy sector, covering electricity transmission and gas distribution projects.

Further activities in the energy sector were developed to assist projects related to the thermal rehabilitation of buildings and continuous support was provided to district heating rehabilitation projects, covering the entire project cycle from project scoping to support for the finalisation of the funding applications. Activities in the waste sector increased, notably in relation to support for larger waste-to-energy facilities but also continuing upstream for the development of waste management plans.

In 2016, 22 new energy and solid waste assignments were added to the action plans, showing continuously growing demand for JASPERS advice in these sectors.

Figure 6

JASPERS portfolio in the energy and solid waste sector (active assignments as at 31/12/2016 and assignments completed in the EU in 2016)

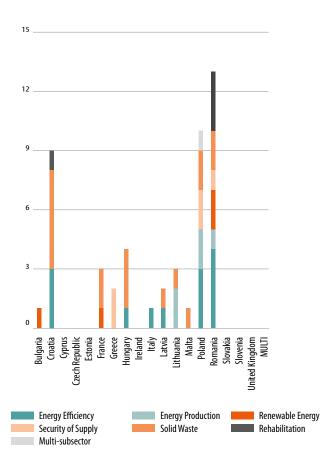


Table 4

JASPERS activity in the EU in 2016 – Energy and solid waste sector

Programming period:	2007-2013	2014-2020	TOTAL
Number of active assignments at the beginning of 2016	7	30	37
Active assignments as at 31/12/2016	2	30	32
Assignments completed in 2016	7	10	17
Estimated investment cost of completed assignments in 2016 in EUR m	516	493	1 009
Applications for funding approved by the EC in 2016		_	0
Estimated investment cost of approved projects in 2016 in EUR m	0	_	0

Impact assessment on economic instruments to increase recycling and divert waste from landfills in Romania

The objective of this assignment, completed by JASPERS in December 2016, was to support the Romanian Ministry of European Funds and Ministry of Environment, Water and Forests in improving the operation of the economic instruments implemented to reach the EU targets on waste management.

For the 2014-2020 programming period, all Member States must fulfil ex-ante conditionalities so that investments fit within a well-conceived, comprehensive and targeted strategy. For the waste sector, they have to promote economically and environmentally sustainable investments through the development of appropriate waste management plans, consistent with Directive 2008/98/EC and with the waste hierarchy.

JASPERS reviewed the literature on the implementation of economic instruments in other EU Member States and their impact on recycling and diversion of waste from landfills. JASPERS then analysed the existing legal framework in Romania (extended producer responsibility for packaging waste, incentives for packaging producers to reach recycling/recovery targets, ecotax for shopping bags, incentives to reach landfill targets). The efficiency of each provision was reviewed in terms of reaching the recycling/recovery and diversion targets.

Economic incentives were designed to promote separation at source by motivating municipalities to invest in and manage infrastructure for separate collection and encouraging households and citizens to use the systems provided.

For each instrument, JASPERS presented a legal and operational implementation mechanism, indicating the responsibilities of the organisations in charge, the financial impact and the impact on the recycling/recovery and diversion targets.

Throughout this assignment, JASPERS met regularly and consulted with all involved stakeholders (ministries, associations of packagers, waste management companies, and local authorities) to discuss the draft reports and the proposed improvements. In all these meetings, the stakeholders expressed their views and submitted written comments.





2016 JASPERS Annual Report

3.5 Smart Development

Activity in the smart development sector in 2016 concentrated on projects in the 2014-2020 programming period which support TO 1 (strengthening research, technological development and innovation), TO 2 (enhancing access to, and use and quality of, information and communication technologies) and TO 10 (investing in education, training and lifelong learning). Research and Development Infrastructure continued to be a leading subsector, with over 57% of the projects in 2016.

18 new projects were included in the sectoral portfolio over the year, with a total cost of EUR 2.6 billion, of which the majority were in the health sector followed by RDI, ICT and the urban sectors. One of the new projects included in 2016 was in the education sector, a major project following up on a pilot e-schools project in Croatia. This project includes some innovative elements that will require substantial cooperation with the beneficiaries.

JASPERS also started work on its first assignments in Ireland (a major broadband project) and Malta (assisting in the area of urban development). Discussions were held with Spain with a view to supporting urban projects.

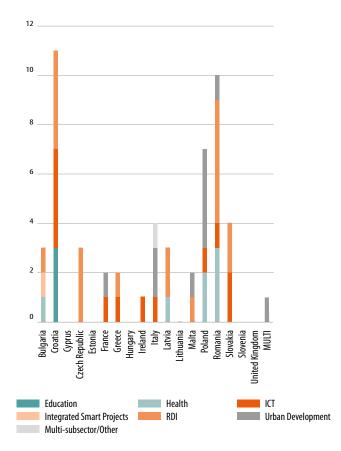
12 assignments were completed during the year. The bulk of these were initiated either in 2015 or in 2016, demonstrating both a quick turnover and a balanced sub-sector distribution.

Regarding the horizontal work in the sector – which in addition to the thematic objectives mentioned above covers TO 11 (improving the efficiency of public administration) – there was a presentation in Brussels of the CBA research and development infrastructure guidelines developed in coordination with other sectors in JASPERS. Work continued during the year to develop and adapt multi-criteria analysis to cases where this is appropriate, and it is planned to use it in an urban project as a pilot case.



Figure 7

JASPERS portfolio in the energy and smart development sectors (active assignments as at 31/12/2016 and assignments completed in the EU in 2016)





Support for the implementation of the Urban Agenda for the EU – Smart City approach

JASPERS' cross-sector expertise provides an opportunity to assist on a wide scale with key elements of regional and city development in support of the Urban Agenda for the EU.

In this context, JASPERS organised a major urban sector event on 1 December in Brussels, in cooperation with the Committee of the Regions. The event was designed for those bodies in charge of preparing, coordinating and implementing integrated sustainable urban development strategies, in line with Article 7 of the ERDF Regulation. Discussions focused on the utilisation of ESIF for smart city development, including through the Integrated Territorial Investment mechanism. The event will be followed by a set of seminars in 2017, with the aim of identifying local and regional barriers to the implementation of integrated and innovative sustainable urban development projects, allowing JASPERS to work closely with local authorities to prepare good projects that support the implementation of the Urban Agenda for Europe.

A specific example in this area is JASPERS' assistance to Malta's integrated sustainable urban development strategy, whereby JASPERS reviews the strategy to ensure coherence between different objectives and assists in the methodological support for prioritising projects i.e. development of a project pipeline and investment programme.

Table 5

JASPERS activity in the EU in 2016 - Smart development sector

Programming period:	2007-2013	2014-2020	TOTAL
Number of active assignments at the beginning of 2016	5	34	39
Active assignments as at 31/12/2016	2	40	42
Assignments completed in 2016	4	7	11
Estimated investment cost of completed assignments in 2016 in EUR m	230	415	645
Applications for funding approved by the EC in 2016	0	_	0
Estimated investment cost of approved projects in 2016 in EUR m	0	_	0

4. Capacity building activities

Capacity building is well embedded in all the advisory activities carried out by JASPERS given the close proximity to beneficiaries and hands-on approach. In addition to this, JASPERS periodically organises capacity building events with a multi-country scope in order to consolidate lessons learned from the different assignments, to disseminate methodology and to support beneficiaries in cross-sector issues like climate change or State aid (see Table 6). These activities are closely coordinated with the services of the Commission.

Table 6

Multi-country capacity building events in 2016

No	Title	Date	Summary and proceedings
1	Second training on environmental requirements for projects in the 2014-2020 programming period	14 Jan 2016	http://www.jaspersnetwork.org/display/EVE/ Second+training+session+on+environmental+requirements+ for+projects+in+the+2014-2020+programming+period
2	Workshop on Public Transport Quality Monitoring	14 Mar 2016	http://www.jaspersnetwork.org/display/EVE/ Workshop+on+Public+Transport+Quality+Monitoring
3	Seminar on blending ESIF grants and PPPs	11 May 2016	http://www.jaspersnetwork.org/display/EVE/ Seminar+on+blending+ESIF+grants+and+PPPs
4	CBA Forum meeting on RDI infrastructure sectors	31 May 2016	http://www.jaspersnetwork.org/display/EVE/ Cost-Benefit+Analysis+Forum+meeting+on+RDI+infrastructures
5	Knowledge sharing meeting on climate change adaptation, vulnerability and risk assessment and the resilience of Major Infrastructure Projects	7-8 June 2016	http://www.jaspersnetwork.org/display/EVE/ Knowledge+sharing+event+on+climate+adaptation+in+projects
6	Regional workshops on State aid in R&D infrastructure projects	6 and 13 July 2016	http://www.jaspersnetwork.org/display/EVE/ Regional+seminars+on+State+Aid+for+RDI+Infrastructure
7	Workshop on streamlining environmental assessments and permits during project development	18 Oct 2016	http://www.jaspersnetwork.org/display/EVE/ Streamlining+assessments+and+permits+during+project+development
8	Implementing the Urban Agenda for the EU: a Smart City approach	1 Dec 2016	http://www.jaspersnetwork.org/display/EVE/ Implementing+the+urban+agenda+for+the+EU%3A+a+smart+city+approach

These multi-country events are carried out in the framework of the JASPERS Networking Platform in coordination with the different sectoral divisions and the Commission as needed. The platform's dedicated web portal (http://www.jaspersnetwork.org) also contains summaries of the events, materials used during workshops and working papers.

In 2016, JASPERS implemented nine multi-country capacity building, training and knowledge-sharing activities under its Networking Platform programme. These workshops and training seminars were held in Brussels and at regional level and were attended by over 510 representatives, largely from Member States' authorities, as well as JASPERS partners and other Commission services. In addition to this, JASPERS also delivered several specific training seminars in the countries in which it operates and organised and contributed to roundtables and working group meetings with Commission services on topics of common interest.

With the idea of delivering the maximum value added and to create the potential for a lasting increase of administrative capacity at the local level, JASPERS is developing dedicated "train-the-trainer" modules to assist counterparts in developing and implementing their own training programmes. Assignments under this concept are typically implemented in close

Table 7

Attendance of JASPERS capacity building activities in 2016 (multi-country events only)

	Participants	%
JASPERS experts	58	11.3
JASPERS partners	7	1.3
European Commission	45	8.8
Member States	404	78.6
TOTAL	514	100

partnership with the requesting authorities, who take ownership of the exercise and commit to its sustainable implementation.

Lastly, in 2016, JASPERS actively contributed to workshops organised within the framework of the European Week of Regions and Cities as well as to the development and implementation of a massive open online course focused on the EU budget and funding for regions and cities, in close cooperation with the Committee of the Regions and DG REGIO.

Climate change adaptation, vulnerability, risk assessment and resilience of major infrastructure projects

The assessment of climate change risks and the integration of appropriate adaptation measures to promote climate resilience are essential steps in project development. The aim of this knowledge-sharing event, organised together with the Commission, in June 2016 in Brussels, was to facilitate capacity building and sharing of experiences on this topic, bringing together individuals and organisations working on climate change adaptation for infrastructure projects across Europe and encouraging the exchange of views, ideas and experiences through interactive sessions and discussions.

The event was structured into two sessions: the first provided an update on guidance and methodologies produced jointly by JASPERS and the Commission and focused on the theory of risk assessment; while the second went into more detail at the project level, showing real examples of integrating climate change adaptation considerations into project planning and implementation in practice. Speakers included representatives from the European Commission DG Climate Action, the EIB, EBRD, European Environment Agency, project promoters and expert consultants.



5. Project appraisal activities

JASPERS carries out an Independent Quality Review (IQR) of projects if requested by Member States. This possibility is provided by Article 102 of the Common Provisions Regulation, which states that Member States may seek a positive opinion of their proposed project by an independent quality reviewer before submitting the project to the European Commission in order to benefit from a streamlined approval procedure. Three IQR reports were completed in 2016 for Lithuania, Slovakia and Poland and the first project submitted through the IQR route (from Lithuania) was approved by the Commission in September.

In 2016, JASPERS also carried out post-submission appraisals (PSAs) of projects submitted by Member States for DG REGIO. This led to the preparation of 28 PSA reports, predominantly in the roads, rail and public transport sectors. During 2016, 19 projects with PSAs were

approved by the European Commission, two projects were withdrawn by the beneficiaries, and the remainder were awaiting decision at year-end.

In the 2014-2020 programming period, all new major project applications submitted to the Commission for grant funding that are not phased are reviewed by JASPERS through one of the two appraisal processes. The combination of the centralisation of the new procedures within DG REGIO and the involvement of JASPERS specialists in the appraisal process resulted in a substantial reduction of the average time to process approvals at the Commission. For the major projects from the 2014-2020 programming period approved in 2016, the average time to approval was down to 98 days, compared to an average of 224 days in the previous period. A list of appraisals carried out under IQR and PSA is available in Annex 4.

Table 8

IQR and PSA project appraisals in 2016

Programming period:	IQR	PSA	TOTAL
In approval process as of 1 Jan 2016	_	3	3
Projects appraised in 2016	3	25	28
of which with Advisory support	3	5	8
Withdrawn by Member State	_	2	2
Projects approved by EC	1	19*	20
Under consideration as of 31 Dec 2016	2	7	9

* includes three PSA appraisals completed in 2015

6. Organisation

6.1 Governance

JASPERS is managed by the European Investment Bank and supervised by a Steering Committee, comprising representatives of its partner institutions (the European Commission, the European Investment Bank and the European Bank for Reconstruction and Development).

The Steering Committee is responsible for setting the strategic direction for JASPERS, deciding on major policy issues relating to JASPERS and approving its work programme.

6.2 Structure

In order to carry out the activities described in the sections above, JASPERS is organised into seven divisions, which are mostly staffed by engineers, economists and environmental specialists distributed among the JASPERS offices:

- Roads
- Rail, Air and Maritime
- Water and Wastewater
- Smart Development
- Energy and Solid Waste
- Networking and Competence Centre
- Independent Quality Review

The first five are sectoral divisions, the Networking and Competence Centre division focuses on capacity building and the Independent Quality Review division carries out appraisal activities for the Member States (IQR) and is the lead division within JASPERS for appraisals for the European Commission (PSAs).

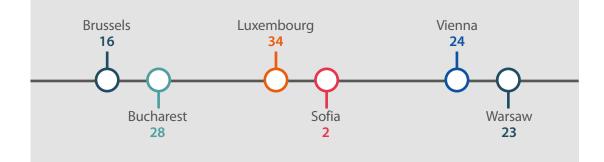
In addition to the divisions, there is a Quality Management Unit in charge of providing the overall coordination and ensuring the overall efficiency of JASPERS activities.

While the predominantly sector-based structure meets JASPERS' operational needs and ensures consistency in the advice delivered across the beneficiary countries, the presence of JASPERS staff on the ground maximises the impact and facilitates the transfer of knowledge to the beneficiaries.

Consequently, in addition to the headquarters in Luxembourg, JASPERS has regional offices in Bucharest, Vienna, Warsaw and Sofia. Finally, the office in Brussels facilitates close contact with the European Commission and is responsible for most of the JASPERS appraisal activities.

Figure 8

JASPERS staff by location as at 31 December 2016



6.3 Resources

Between January and December 2016, 18 new experts and one new support staff member joined JAS-PERS to meet the additional workload under JASPERS' expanded functions and mandates.

At the end of December 2016, JASPERS had a total of 127 staff, made up of 108 experts and managers and 19 support staff. Details of JASPERS staff by sector and location are shown in the figure below.

40

JASPERS sometimes make use of the services of consultants to complement its in-house expertise or to add capacity in periods of particularly high workload.

As at 31 December 2016, EUR 2.8 million of the annual budget for external consultancy services had been committed and EUR 2.2 million had been disbursed. A total of 44 contracts were active in 2016 and spread across 26 different consulting companies or individual consultants.

120

JS chart by amCharts

Figure 9

20

140 Management staff Support staff Professional staff **Professionnal Staff** Water and Wastewater Smart Development Rail, Air and Maritime Roads Luxembourg Brussels Bucharest Sofia **Energy and Solid Waste** Networking and Competence Centre Vienna Warsaw Independent Quality Review **Quality Management** Director's Office _1 JS chart by amCharts 0 5 10 15 20 25

JASPERS staff by category, division and location as at 31 December 2016

80

60

100

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6.4 Quality management

JASPERS is implementing a quality management approach to further improve the effectiveness and efficiency of its operations and to build in the necessary flexibility to adapt to changes in the future.

This is being done under the framework of the quality management model of the European Foundation of Quality Management (EFQM). This model aims at increasing the competitiveness of European organisations and supports the sustainable development of the European economies. The EFQM Excellence Model is a framework than can be applied to any organisation, regardless of size or sector, and is therefore suitable for JASPERS.

The EFQM model outlines a number of organisational principles that are necessary to achieve sustainable excellence in any organisation, and provides a framework to convert those principles into practice.

The Quality Management Unit is responsible for this process in JASPERS, which in 2016 started the process with the establishment of a Results Measurement Framework and a comprehensive analysis of existing internal procedures. In line with the quality management principles, this took place in the context of a participative approach that took into account contributions from all of JASPERS' divisions.



7. Annual Stakeholders Meeting

JASPERS held its eighth Stakeholders Meeting in Rome on 27-28 September 2016. Previous meetings took place in Brussels (2015), Athens (2014), Malta (2013), Zagreb (2012), Budapest (2011), Sofia (2010) and Krakow (2009).

JASPERS Stakeholders Meetings provide feedback and guidance from beneficiary countries and the Commission with regard to the operation and future direction of JASPERS. The 2016 event was attended by 120 representatives coming from 20 JASPERS beneficiary countries and by representatives of JASPERS' partners.

One of the themes of the Stakeholders' Meeting in 2016 was the range of activities carried out by JAS-PERS that go beyond the normal support for major projects, for example support for non-major projects,

strategic planning and capacity building. The 2016 meeting was structured around six panel sessions:

- JASPERS' achievements in 2016 and outlook to • 2020
- How to accelerate the preparation and approval • of major projects in the 2014-2020 programming period
- New challenges in major projects
- JASPERS support for programmes and non-major projects
- Capacity building Train the trainer
- Stakeholder dialogue

Representatives of the managing authorities of JAS-PERS' beneficiary countries actively contributed to the meeting, providing JASPERS with very useful feedback.



8. Outlook

JASPERS is a long-term initiative, with work on individual projects often continuing from one year to the next.

In relation to its main Structural and Cohesion Funds mandate, in 2016 JASPERS provided support for the phasing of 2007-2013 projects but activities were increasingly concentrated on accelerating the submission of projects for the 2014-2020 period. There was a significant increase in the workload for IQR and PSA in the last quarter, although much of the output will only be visible in terms of approved projects in 2017. Based on the forecast flow of projects in 2017, there will be a significantly larger number of completed assignments for both IQR and PSA in 2017 compared with 2016.

In the case of the CEF mandate, assignments for the third call for project proposals were underway in the second half of the year, with a deadline for proposals of February 2017.

In the IPA mandate, work on projects in candidate countries began to accelerate towards year-end. The work flow for this mandate is also expected to accelerate in 2017.

While improving the quality of major projects and helping to reduce their approval time is a key part of JASPERS' mission, as a result of increasing demand from beneficiary countries, support for managing authorities in strategic and planning issues and capacity building has been increasing in the past few years. This has enhanced the added value of JASPERS' input, because (i) earlier involvement in the project cycle results in better quality of individual projects and (ii) improvements in the technical capacity of counterparts lever existing JASPERS resources, allowing JASPERS to take on additional assignments. The case studies presented in this report are good examples of the diversified portfolio of assignments in JASPERS.

The 2016 Stakeholders' Meeting was a good opportunity to discuss JASPERS activities beyond major projects. The feedback from participants was very positive and the focus of JASPERS activities on more upstream activities and capacity building will become a cornerstone of the JASPERS strategy in the future. This will be further explored during 2017 in the light of the potential demand.

FINANCIAL INFORMATION





1. Expenditure in 2016: Structural and Cohesion Funds mandate

The JASPERS budget under the Structural and Cohesion Funds mandate is made up of eligible costs co-financed by the technical assistance budget managed by DG Regional and Urban Policy, the EIB and the EBRD in the form of professional and support staff time.

Table 9

Summary Audited Financial Statement 2016

Summary Financial Statement for JASPERS Specific Grant Agreement 2016 for the period from 1 January 2016 to 31 December 2016

ELIGIBLE COSTS	Actual amounts 31/12/2016 EURO	Accruals 31/12/2016 EURO	Total 31/12/2016 EURO
Staff costs	32 416 681.27	0.00	32 416 681.27
External consultancy costs	2 151 928.34	222 086.66	2 374 015.00
Travel and subsistence expenses	1 153 066.20	43 225.00	1 196 291.20
TOTAL ELIGIBLE COSTS	35 721 675.81	265 311.66	35 986 987.47
European Union Contribution (80%)	28 577 340.65	212 249.33	28 789 589.98



2. Expenditure in 2016: IPA II mandate

The IPA II mandate for the period 2016-2018, extended to 2020, is made up of eligible costs co-financed by the European Commission (DG NEAR) as follows:

Albania, Bosnia and Herzegovina, Kosovo, the former Yugoslav Republic of Macedonia, Montenegro and Turkey, financed by the European Commission (100%). The EIB and EBRD contribute in the form

of professional staff, travel payments, consultancy services, etc. The IPA II mandate has a budget of EUR 4 000 000, including EUR 1 000 000 earmarked for Turkey, drawn from the 2015 national allocation, specifically dedicated to supporting projects in this country.

• Expenditure for IPA II in 2016 was EUR 634 410.

Table 10

IPA II budget as at 31 December 2016

JASPERS IPA-II	Budget	2016 Total Costs	% Total costs/Budget
1. Staff costs	3.275.649	574 145	18
2. Travel, subsistence	409 500	60 264.75	15
3. Subcontracted costs consultants, audit, translation, events	314 851	0	0
TOTAL	4 000 000	634 410	16

* includes three PSA appraisals completed in 2015

3. Expenditure in 2016: Serbia mandate

The Serbia National Programme mandate for the period 2015-2016 was fully financed by the European Commission in the form of professional staff, travel payments, consultancy services, etc. It covered operations in 2015 and 2016 with a budget of EUR 1 500 000.

Unaudited expenditure for the Serbia National Programme in 2016 was EUR 382 584.

Table 11

Serbia NP budget as at 31 December 2016

	Total 2016			Cumulative 2015-2019		
JASPERS SERBIA NP	Budget	Actual	% Actual /Budget	Budget	Actual	% Actual /Budget
1. Staff costs	250 963.2	295 104.0	118%	1 254 816.0	339 866.9	27%
2. Travel, subsistence	40 000.0	33 481.8	84%	200 000.0	40 529.3	20%
3. Subcontracted costs consultants, audit, translation, events	9 036.8	2 187.3	24%	45 184.0	2 187.3	5%
TOTAL	300 000.0	330 773.1	110%	1 500 000.0	382 583.5	26%

* includes three PSA appraisals completed in 2015

4. Expenditure in 2016: CEF mandate

The CEF mandate for the period 2015-2017 is made up of eligible costs co-financed by the CEF budget and EIB in the form of professional staff, travel payments, consultancy services, etc. It covers operations from July 2015 to July 2017 with an overall budget of EUR 1 402 411. Unaudited expenditure for the CEF in 2016 was EUR 747 860, with cumulative expenditure under the CEF mandate at end-2016 of EUR 861 070, representing 61.4% of the overall budget.



STATISTICAL ANNEXES

Statistical annexes

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CEF - Modernisation of "Voluyak-Dragoman" railway section (BULGARIA)

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Annex 1:

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Portfolio of advisory and capacity building assignments for Structural and Cohesion Funds and CEF mandates by country and sector at 31 December 2016

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	Energy and Solid Waste	Rail, Air and Maritime	of which CEF (RAM)	Roads	of which CEF (ROD)	Smart Develop- ment	Water	Networking and Competence Centre	Multi- Sector	2007- 2013	2014- 2020	ACTIVE ASSIGN- MENTS (all sectors) 31/12/2016	Energy and Solid Waste	Rail, Air and Maritime	of which CEF (RAM)	Roads	of which CEF (RAM)	Smart Develop- ment	Water and Waste- water	Networking and Competence Centre	Multi- sector	2007- 2013	2014- 2020	COM- PLETED IN 2016	PORT- FOLIO 2016
	Active assignments per division										Completed assignments per division														
BULGARIA	1	9	0	3	0	2	16	1	0	5	27	32	0	3	3	0	0	1	11	0	0	1	14	15	47
CROATIA	2	11	0	14	0	10	19	0	1	4	53	57	7	1	1	2	1	1	1	0	0	1	11	12	69
CYPRUS	0	1	0	0	0	0	0	0	0	0	_1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
CZECH REPUBLIC	0	17	0	3	0	1	_ 2	0	2	6	19	25	0	1	0	0	0	2	0	0	0	1	_2	3	28
ESTONIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRANCE	3	4	0	0	0	1	0	0	0	0	8	8	0	0	0	0	0	1	0	0	0	0	1	1	9
GREECE	2	1	0	0	0	2	3	0	1	0	9	9	0	0	0	0	0	0	0	0	0	0	0	0	9
HUNGARY	4	19	1	7	0	0	5	0	2	17	20	37	0	4	4	3	2	0	0	0	0		6	7	44
IRELAND	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
ITALY	1	0	0	0	0	1	0	0	0	0	2	2	0	2	0	1	0	3	0	0	0	6	0	6	8
LATVIA	2	3	0	1	0	3	0	0	0	1	8	9	0	0	0	0	0	0	0	0	0	0	0	0	9
LITHUANIA	2	1	0	0	0	0	1	0	0	1	3	4	1	0	0	0	0	0	0	0	0	0	1	1	5
MALTA		0	0	3	0	2	3	1	0	1	9	10	0	0	0	0	0	0	0	0	0	0	0	0	10
POLAND	6	30	0	7	0	7	10	1	0	1	60	61	4	4	0	_2	0	0	3	0		3	11	14	75
ROMANIA	8	14	0	8	0	7	53	3	2	15	80	95	5	2	1	3	0	3	5	1	0	10	9	19	114
SLOVAKIA	0	16	3	15	0	4	1	2	2	10	30	40	0	5	3	_2	1	0	0	0	0	0		7	47
SLOVENIA	0	4	1	0	0	0	0	1	0	0	5	5	0	0	0	0	0	0	1	0	0	0	_1	1	6
UNITED KINGDOM	0	1	0	1	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	2
MULTI-COUNTRY	0	3	0	0	0	1	0	19	1	0	24	24	0	0	0	0	0	0	0	5	0	0	5	5	29
TOTAL	32	134	5	62	0	42	113	28	11	61	361	422	17	22	12	13	4	11	21	6	1	23	68	91	513

Annex 2:

Advisory assignments completed for Structural and Cohesion Funds mandates in 2016

	Sector/ Division	Туре	Programming period	Title	Completion date
BULGARIA	SRT	Horiz./ Strategy Support	2007 - 2013	Support for ToR for Centres of Excellence and Centres of Competence	11/07/2016
	WAT	Small Project	2014 - 2020	Screening of Tsarevo WAT Project	09/03/2016
	WAT	Small Project	2014 - 2020	Screening of Tutrakan WAT Project	09/03/2016
	WAT	Small Project	2014 - 2020	Screening of Elhovo WAT Project	09/03/2016
	WAT	Small Project	2014 - 2020	Screening of Karnobat WAT Project	09/03/2016
	WAT	Small Project	2014 - 2020	Screening of Primorsko WAT Project	09/03/2016
	WAT	Small Project	2014 - 2020	Screening of Sofia WAT Project	09/03/2016
	WAT	Small Project	2014 - 2020	Screening of Chirpan WAT Project	09/03/2016
	WAT	Small Project	2014 - 2020	Screening of Aitos (Burgas) WAT Project	10/03/2016
	WAT	Small Project	2014 - 2020	Pilot Feasibility Study for Integrated Regional WAT Project	28/07/2016
	WAT	Horiz./ Strategy Support	2014 - 2020	TOR for the preparation of a pipeline of Feasibility Studies	28/07/2016
	WAT	Horiz./ Strategy Support	2014 - 2020	Preparation of ToR for Horizontal TA aimed at developing feasibility studies	26/10/2016
CROATIA	ESW	Horiz./ Strategy Support	2014 - 2020	Development of Investment Programme for Residential Buildings Energy Efficiency Rehabilitation	18/03/2016
	ESW	Major Project	2014 - 2020	Remediation and closure of the Sovajk pit	07/11/2016
	ESW	Horiz./ Strategy Support	2014 - 2020	CBA Training and Guidelines	20/12/2016
	ESW	Major Project	2014 - 2020	Karlovac County - Regional Waste Management Center for Babina Gore	20/12/2016
	ESW	Major Project	2007 - 2013	Waste Management Centre Piskornica in North-West Croatia	21/12/2016
	ESW	Major Project	2014 - 2020	Lecevica Waste Management Centre	21/12/2016
	ESW	Small Project	2014 - 2020	Integrated waste management system for Dubrovnik-Neretva County	21/12/2016
	ROD	Small Project	2014 - 2020	Construction of D8 Vodice Bypass	03/03/2016
	SRT	Small Project	2014 - 2020	Construction of Varazdin Campus Phase III - Student Dorm	29/03/2016
	WAT	Major Project	2014 - 2020	Collection and treatment of wastewater for the Krk island	21/12/2016
CZECH REPUBLIC	RAM	Major Project	2007 - 2013	Railway Station Plzen 1st Stage - Rebuilding Praha Station Head	01/02/2016
	SRT	Horiz./ Strategy Support	2014 - 2020	ELI Beamlines - second phase support	19/04/2016
	SRT	Small Project	2014 - 2020	Construction of HiLASE high-repetition lasers and laser systems	01/07/2016

Annex 2:

Advisory assignments completed for Structural and Cohesion Funds mandates in 2016

Sector/ Division	Туре	Programming period	Title	Completion date			
RAM	Major Project	2007 - 2013	Railway Station Plzen 1st Stage - Rebuilding Praha Station Head	01/02/2016			
SRT	Horiz./ Strategy Support	2014 - 2020	ELI Beamlines - second phase support	19/04/2016			
SRT	Small Project	2014 - 2020	Construction of HiLASE high-repetition lasers and laser systems	01/07/2016			
SRT	Major Project	2014 - 2020	Expansion of Nausicaa - Centre National de la Mer	18/11/2016			
ROD	Major Project	2007 - 2013	27 - 2013 Construction of Road 86 between Szombathely and country border				
RAM	Major Project	2007 - 2013	13 Port of Salermo 2				
RAM	Major Project	2007 - 2013	Port of Naples	01/02/2016			
ROD	Major Project	2007 - 2013	Phasing of the "SS 268 del Vesuvio" road project	22/01/2016			
SRT	Major Project	2007 - 2013	Mostra d'Oltremare Rehabilitation Project	20/01/2016			
SRT	Major Project	2007 - 2013	Phasing assignment: Rehabilitation of Naples' UNESCO Sites Project	20/01/2016			
SRT	Major Project	2007 - 2013	Phasing assignment: Environmental Restoration of "Laghi Flegrei" Project	20/01/2016			
ESW	Major Project	ct 2014 - 2020 Kaunas district heating system upgrade introducing co-generation plants using renewable energy resources					
NCC	Capacity Building	2014 - 2020	Climate Change Related Requirements for Major Projects in the 2014-2020 Programming Period	20/09/2016			
NCC	Capacity Building	2014 - 2020	Training on State aid in infrastructure projects	21/12/2016			
NCC	Capacity Building	2014 - 2020	Internal Training on State Aid issues in Projects	21/12/2016			
NCC	Capacity Building	2014 - 2020	Submission to DG COMP of questions on Energy projects	21/12/2016			
NCC	Capacity Building	2014 - 2020	Seminars on State Aid issues in R&D infrastructure projects	21/12/2016			
ESW	Major Project	2007 - 2013	Lodz Waste Treatment	07/11/2016			
ESW	Major Project	2007 - 2013	Central Pomerania waste management system	07/11/2016			
ESW	Major Project	2014 - 2020	Lwowek-Odolanow gas pipeline	13/12/2016			
ESW	Horiz./ Strategy Support	2014 - 2020	Energy sector 2014-2020 - pipeline selection criteria and ex-ante conditionality	19/12/2016			
MSE	Horiz./ Strategy Support	2014 - 2020	Including climate change in co-financing applications in the financial perspective 2014-2020	22/12/2016			
RAM	Major Project	2014 - 2020	Works on railway line no. 7 Warszawa Wschodnia Osobowa - Dorohusk in the section Otwock - Lublin	06/10/2016			
RAM	Major Project	2014 - 2020	Warsaw Metro Line 2 Extension 3+3	17/10/2016			
RAM	Horiz./ Strategy Support	2014 - 2020	Support to the preparation of regional transport strategy of the Kuyavian-Pomeranian Voivodeship	09/11/2016			
RAM	Small Project	2007 - 2013	Gdynia port - new Ferry Terminal with road and railway access	19/12/2016			
	Division RAM SRT SRT SRT ROD RAM ROD SRT SRT SRT SRT SRT SRT SRT SRT SRT ESW NCC NCC NCC NCC NCC ESW ESW ESW ESW ESW RAM RAM RAM	IvpeRAMMajor ProjectRAMHoriz/ Strategy SupportSRTSmall ProjectSRTMajor ProjectRAMMajor ProjectRAMMajor ProjectRAMMajor ProjectRAMMajor ProjectRAMMajor ProjectSRTMajor ProjectSRTMajor ProjectSRTMajor ProjectSRTMajor ProjectSRTMajor ProjectSRTMajor ProjectSRTMajor ProjectSRTMajor ProjectSRTSuldingNCCCapacity BuildingNCCCapacity BuildingNCCCapacity BuildingNCCCapacity BuildingNCCSaportESWMajor ProjectESWMajor ProjectESWHoriz/ SupportMSEStrategy SupportRAMMajor ProjectRAMMajor ProjectRAMMajor ProjectRAMSupport	DivisionTypeperiodRAMMajor Project2007 - 2013SRTStrategy Support2014 - 2020SRTSmall Project2014 - 2020SRTSmall Project2014 - 2020SRTMajor Project2007 - 2013RAMMajor Project2007 - 2013RAMMajor Project2007 - 2013RAMMajor Project2007 - 2013RAMMajor Project2007 - 2013SRTMajor Project2014 - 2020NCCCapacity Building2014 - 2020NCCGapacity Building2014 - 2020NCCCapacity Building2014 - 2020NCCCapacity Building2014 - 2020NCCCapacity Building2014 - 2020NCCScapacity Building2014 - 2020SWMajor Project2007 - 2013ESWMajor Project2014 - 2020ESWMajor Project2014 - 2020RAMMajor Project<	DivisionTypeperiodIttleRAMMajor Project2007 - 2013Railway Station Plzen 1st Stage - Rebuilding Praha Station HeadSRTStrategy Strategy2014 - 2020ELI Beamlines - second phase supportSRTSmall Project2014 - 2020Construction of HiLASE high-repetition lasers and laser systemsSRTMajor Project2014 - 2020Expansion of Nausicaa - Centre National de la MerRODMajor Project2007 - 2013Construction of Road 86 between Szombathely and country borderRAMMajor Project2007 - 2013Port of SalermoRAMMajor Project2007 - 2013Port of NaplesRODMajor Project2007 - 2013Port of NaplesRODMajor Project2007 - 2013Post of SalermoRAMMajor Project2007 - 2013Phasing of the "S5 268 del Vesuvio" road projectSRTMajor Project2007 - 2013Phasing asignment: Rehabilitation ProjectSRTMajor Project2007 - 2013Phasing asignment: Environmental Restoration of "Laghi Flegrei" ProjectSRTMajor Project2007 - 2013Phasing asignment: Environmental Restoration of "Laghi Flegrei" ProjectSRTMajor Project2014 - 2020Kaunas district heating system upgrade introducing co-generation plants using renewable energy resourcesNCCGapacity Building2014 - 2020Internal Training on State Aid in infastructure projectsNCCGapacity Building2014 - 2020Internal Training on State Aid issues in RoD infrastructure projects			

Sec. and	8.6		3	A RECEIPTION AND A RECEIPTION	0.000
Country	Sector/ Division	Туре	Programming period	Title	Completion date
	ROD	Major Project	2014 - 2020	Construction of Provincial Road of Rybnik	28/10/2016
	ROD	Major Project	2014 - 2020	Construction of S-7 Olsztynek-Plonski, section: Nidzica-Napierki	29/11/2016
	WAT	Major Project	2014 - 2020	Raciborz flood control	02/12/2016
	WAT	Major Project	2014 - 2020	Water supply and wastewater management in Warsaw – Phase V	13/12/2016
	WAT	Horiz./ Strategy Support	2014 - 2020	Support for developing a national strategy for sewage sludge management	14/12/2016
ROMANIA	ESW	Small Project	2007 - 2013	Bacau District Heating Energy Efficiency	12/01/2016
	ESW	Major Project	2007 - 2013	PETROM II - Rehabilitation of contaminated sites	07/11/2016
	ESW	Small Project	2007 - 2013	Rehabilitation of historically contaminated sites from mining activities	07/11/2016
	ESW	Horiz./ Strategy Support	2014 - 2020	Impact assessment of economic instruments on waste recycled/ recovered from landfills in Romania	09/12/2016
	ESW	Small Project	2007 - 2013	Rehabilitation of historically contaminated sites from mining activities (West zone 2 and Northe zone 2)	09/12/2016
	NCC	Capacity Building	2007 - 2013	Professional training of environmental authorities related to SEA and EIA Directives	11/01/2016
	RAM	Major Project	2007 - 2013	Rehabilitation of Bucharest-Constanta railway line (section: Bucharest Nord-Baneasa and Fetesti-Constanta)	15/06/2016
	ROD	Major Project	2007 - 2013	Rehabilitation of DN1C km155+125-km216+630/ _DN19km135+000-150+000	31/03/2016
	ROD	Major Project	2007 - 2013	Rehabilitation of NR 1H, Zalau - Rastoci, km 75 + 446 - km 128 + 823	09/05/2016
	ROD	Horiz./ Strategy Support	2014 - 2020	Support for the preparation of the general Action Plan for Road Safety Improvement measures in order to outline and prioritise the measures to be financed under OP Large Infrastructure-Transport 2014-2020	27/06/2016
	SRT	Major Project	2014 - 2020	Preparation of the second phase application for the ELI NP project	01/02/2016
	SRT	Horiz./ Strategy Support	2014 - 2020	Development of a Monitoring Mechanism for RDI in Romania	01/06/2016
	SRT	Horiz./ Strategy Support	2014 - 2020	Preparation and assistance in the submission of the second phase of the RoNet broadband project	06/06/2016
	WAT	Capacity Building	2007 - 2013	Screening of Romanian wastewater projects	24/05/2016
	WAT	Horiz./ Strategy Support	2014 - 2020	CBA Support to Romanian Water Sector for 2014-2020 Perspective	24/05/2016
	WAT	Small Project	2014 - 2020	Increasing the capacity for Intervention in case of multi-risk disasters	06/12/2016
	WAT	Major Project	2014 - 2020	Bucharest wastewater infrastructure investments for 2014-2020	13/12/2016
	WAT	Horiz./ Strategy Support	2014 - 2020	Support in the Preparation of Sludge Management Plans in Romania	22/12/2016
SLOVAKIA	RAM	Horiz./ Strategy Support	2014 - 2020	Technical assistance for Transport Model preparation	04/10/2016
	RAM	Small Project	2014 - 2020	Modernisation and extension of the tram network in Kosice	07/11/2016
	ROD	Major Project	2014 - 2020	D3 Motorway Zilina, Strazov-Zilina, Brodno, Phase II	20/10/2016
SLOVENIA	WAT	Major Project	2014 - 2020	Ljubljana wastewater collection and treatment	21/12/2016

ROD: Roads RAM: Rail, Air and Maritime WAT: Water

SRT: Smart Development

ESW: Energy and Solid Waste

Statistical annexes

Annex 3:

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List of assignments completed under CEF mandate in 2016

		Sector	Title	Completion date	N NAMES
	BULGARIA	RAM	CEF - Development of ERTMS along the Railway line "Sofia-Pernik-Radomir-Kulata"	19/04/2016	
		RAM	CEF - Modernisation of "Voluyak-Dragoman" Railway Section	19/04/2016	
		RAM	CEF - Modernisation of "Kostenetz-Septemvri" Railway Section	19/04/2016	
	CROATIA RA RC HUNGARY RA		CEF - Upgrade and Construction of Second Track on Railway Line Section Križevci – Koprivnica – State Border	06/04/2016	
			CEF - Construction of Svilaj Bridge on Motorway A5	30/03/2016	
			CEF - Line 40a Szazhalombatta - Pusztaszabolcs	19/04/2016	
		RAM	CEF - Line 80 Rakos - Hatvan	19/04/2016	
		RAM		19/04/2016	
		RAM	CEF - Stage 2 of Deployment of the GSM-R System on the TEN-T Railway Core Network in Hungary	19/04/2016	_
		ROD	CEF - Construction of M15 from M1 to the HU/SK border	19/04/2016	
		ROD	CEF - Construction of M70 from Letenye to the HU/SI border	19/04/2016	
	ROMANIA	RAM	CEF - Modernisation of Sighisoara - Brasov railway	06/04/2016	
	SLOVAKIA	RAM	- CEF - Modernisation of Railway track Lučivná - Poprad Tatry	06/04/2016	
		RAM	CEF - Modernisation of Railway track Čadca - Čadca state border CZ/SK	06/04/2016	
		RAM	CEF - Modernisation of railway line Poprad-Tatry - Krompachy, stage 1	06/04/2016	
		ROD	- CEF - D3 MWay (Cadca Bukov- Svrcinovec)	30/03/2016	

Annex 4:

Appraisals carried out under IQR and PSA in 2016

IQR	Sector	Title	Completion date
LITHUANIA	ROD	Construction of Vilnius city western bypass Stage III	17/06/2016
POLAND	ROD	Construction of the Regional Road Raciborz-Pszczyna - section in City of Rybnik, Stage I	13/12/2016
SLOVAKIA	ROD	D3 Žilina, Strážov – Žilina, Brodno, Phase II	02/12/2016
PSA	Sector	Title	Completion dat
BULGARIA	RAM	Sofia Metro extension project: Line III, Stage I – Section "Vladimir Vazov Blvd. – Centre Zhitnitsa str."	15/02/2016
FRANCE	ESW	SWAC (sea water air conditioning) in the north of the island of La Réunion	15/02/2016
POLAND	RAM	Works on railway 7, section Warsaw - Lublin, stage I	28/10/2016
	RAM	Construction of Line II of the Warsaw Metro, Stage II, 3+3 stations	11/11/2016
	ROD	Construction of express road S19: Lublin Sławinek - Lublin Węglin	19/01/2016
	ROD	Construction of S3 express road Kazmierzów - Legnica	19/01/2016
	ROD	Construction of S7 express road section Milomlyn-Olsztynek	26/01/2016
	ROD	Construction of express road S51 Olsztyn-Olsztynek	01/02/2016
	ROD	Construction of express road S7 Radom - Skarżysko-Kamienna	01/02/2016
	ROD	Construction of S8 express road, section Marki - Radzymin	03/02/2016
	ROD	Construction of express road S3 Sulechów - Nowa Sól	03/02/2016
	ROD	Construction of S3 express road Nowa Sol - Kazmierzów	15/02/2016
	ROD	Construction of express road S5 Korzeńsko - Wrocław (Widawa junction)	16/03/2016
	ROD	Construction of express road S7 Chęciny - Jędrzejów	16/03/2016
	ROD	Construction of express road S7 Kraków Igołomska - Christo Botewa	16/03/2016
	ROD	The construction of the ring road Ostróda, DK 16	30/05/2016
	ROD	Construction of S8 express road, section Wisniewo - Jezewo	16/06/2016
	ROD	Construction of Ostrów Wielkopolski and Jarocin Bypasses on the S11	01/08/2016
	ROD	The construction of Wielun and Belchatow bypasses, DK74	01/08/2016
	ROD	The construction of Innowroclaw and Brodnica bypasses, DK15	13/09/2016
	ROD	Construction of express road S7 Radom bypass	13/09/2016
	ROD	Construction of express road S8 Wyszkow - Mazovian border	13/09/2016
	ROD	Construction of the A1 motorway, sect. Pyrzowice - Czestochowa	25/11/2016
	ROD	Construction of express road S7 Koszwały – Elbląg	14/12/2016
	ROD	Construction of the express road S8 Wyszków - Białystok, section Mazovian/Podlaskie border - Zambrów	14/12/2016
	ROD	Construction of expressway S19 Lublin - Rzeszów, section node Sokołów Młp. North - Stobierna	14/12/2016
SLOVAKIA	RAM	Modernisation of tram tracks in Košice, Stage 2, Part 1	16/12/2016
SLOVENIA	ROD	Construction of Motorway A4 (international border crossing)	19/01/2016

Annex 5:

List of JASPERS-supported major projects approved by the European Commission in 2016

	Title	Advisory support"	IQR or PSA	Total cost (EUR m)*	EU grant (EUR m)*
TOTAL 2008-2016	5 (SF/CF/CEF)			11 594	6 864
TOTAL 2007-2016	5 (SF/CF) ¹	1		9 461	5 102
BULGARIA	Sofia Metro extension project: Line III, Stage I – Section "Vladimir Vazov Blvd. – Centre – Zhitnitsa str."	\checkmark	PSA	520	368
CROATIA	Dubrovnik airport development	\checkmark		65	40
CZECH REPUBLIC	Construction of R1 513 Vestec - Lahovice			368	146
	Construction of D3 0307 Tabor - Veseli nad Luznici			560	343
	Construction of R35 Bily Kostel - Hradek n.N.	\checkmark		86	70
	Modernisation of railway line Rokycany - Plzeň			123	62
	Cesky Tesin Railway Station 2nd Stage (part of Optimisation of Bystrice nad Olsi-Cesky Tesin)	\checkmark		62	38
	Modernisation of railway section Praha Bechovice - Uvaly			81	47
	Optimisation of Railway Line Praha Hostivar - Praha hl.n. 1st part - Railway Station Praha Hostivar	\checkmark		39	22
	Revitalisation of the line Ceske Budejovice - Volary	\checkmark		71	45
	Railway Station Plzen 1st Stage - Rebuilding Praha Station Head			52	33
	Construction of R6 Lubenec - Bosov expressway	\checkmark		82	66
	Construction of R35 - Dostavba MUK Opatovice	\checkmark		75	57
	Construction of I/11 Nebory – Oldrichovice – Bystrice road	\checkmark		69	42
HUNGARY	Development of Lepsény – Balatonszentgyörgy railway line			107	91
	Construction of Main road No. 8 Szekesfehervar-Veszprem			173	95
	Construction of M0 Norther Danube Bridge			254	151
	M7 motorway between Balatonkeresztur and Nagykanizsa - resubmission			206	82
	Construction of Road 86 between Szombathely and country border			112	77
	Construction of road 26 Miskolc northern bypass II section			72	48
LITHUANIA	Vilnius city western bypass Stage III		IQR	107	84
POLAND	Construction of express road S19 Lublin-Rzeszów, section Lublin Sławinek - Lublin Węglin	\checkmark	PSA	150	66
	Construction of S3 express road Nowa Sól - Legnica, section Kazmierzów - Legnica		PSA	467	239
	Construction of express road S5 Korzeńsko - Wrocław (Widawa junction)		PSA	461	219
	Construction of S7 express road section Milomlyn-Olsztynek	\checkmark	PSA	540	284
	Construction of express road S7 Chęciny - Jędrzejów		PSA	210	93
	Construction of express road S7 Kraków Igołomska - Christo Botewa		PSA	166	77
	Construction of express road S51 Olsztyn-Olsztynek		PSA	381	209
	Construction of S8 express road, section Wisniewo - Jezewo		PSA	257	127
	Construction of S8 express road, section Marki - Radzymin		PSA	266	116
	Construction of express road S3 Gorzów Wielkopolski - Nowa Sól, section Sulechów - Nowa Sól		PSA	325	181
	Construction of express road S7 Radom - Skarżysko-Kamienna		PSA	220	102
	Construction of S3 express road Nowa Sól - Legnica, section Nowa Sol - Kazmierzów		PSA	238	137

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	Title	Advisory support"	IQR or PSA	Total cost (EUR m)*	EU grant (EUR m)*
1	Construction of Ostrów Wielkopolski and Jarocin Bypasses in the S11		PSA	166	81
	The construction of Wielun and Belchatow bypasses, DK74		PSA	100	67
	Construction of express road S7 Radom bypass		PSA	213	94
	Construction of express road S8 Wyszkow - Mazovian border		PSA	318	154
3	The construction of Innowroclaw and Brodnica bypasses, DK15		PSA	157	104
ROMANIA	Construction of Sebes-Turda Motorway	\checkmark		138	94
	Modernisation of DN 73 Pitesti-Campulung and Campulung-Brasov	\checkmark		19	11
	Construction of Suceava Bypass	\checkmark		63	44
	Rehabilitation of DN 15 and DN 15A	\checkmark		61	32
	Rehabilitation of DN1C km155+125-km216+630/DN19km135+000-150+000	\checkmark		56	32
	Rehabilitation of NR 1H, Zalau - Rastoci, km 75 + 446 - km 128 + 823	\checkmark		52	29
	Rehabilitation of Bucharest-Constanta railway line (section: Bucharest Nord-Baneasa and Fetesti-Constanta)	\checkmark		475	227
SLOVAKIA	D1 Motorway - Lietavska Lucka - Dubna Skala	\checkmark		175	17
	D3 Svrčinovec - Skalité (only Half Profile)	\checkmark		206	130
	D3 Motorway Zilina Strazov-Zilina Brodno	\checkmark		100	63
SLOVENIA	Motorway A4; Slivnica - Gruškovje: Draženci – International border crossing (IBC) Gruškovje	\checkmark	PSA	197	64
CEF ²	Call n°2 *			2 133	1 763
BULGARIA	Modernisation of the railway section Kostenets - Septemvri	√		178	152
CROATIA	Svilaj Bridge on Motorway A5	\checkmark		12	7
	Upgrade and Construction of Second Track on Railway Line Section Križevci - Koprivnica - State Border	\checkmark		284	241
HUNGARY	M15 motorway from M1 to the HU/SK border	\checkmark		65	55
	Upgrading the Kelenföld – Pusztaszabolcs Railway Line, STAGE II, Upgrading the Százhalombatta (incl.) –Pusztaszabolcs (incl.) section, installation of ETCS-L2	\checkmark		272	232
	Line 80 Rakos- Gödöllo (Development of the Budapest, Rákos (excl.) – Hatvan railway line section, including installation of ETCS-L2)	\checkmark		350	298
	GSM-R Radio system development along Hungarian Railway Lines	\checkmark		58	49
	M70 from Letenye to the HU/SI border	\checkmark		49	40
	Southern railway bridge in Budapest - rail (Removing bottleneck on the common section of three core network corridors with upgrade of Budapest South Railway Bridge)	\checkmark		114	97
ROMANIA	Rehabilitation of the railway section Apata-Cata, part of Brasov-Sighisoara line	\checkmark		538	440
SLOVAKIA	Modernisation of Railway track Lučivná - Poprad Tatry	\checkmark		97	78
	D3 motorway (Cadca Bukov - Svrcinovec)	\checkmark		114	74

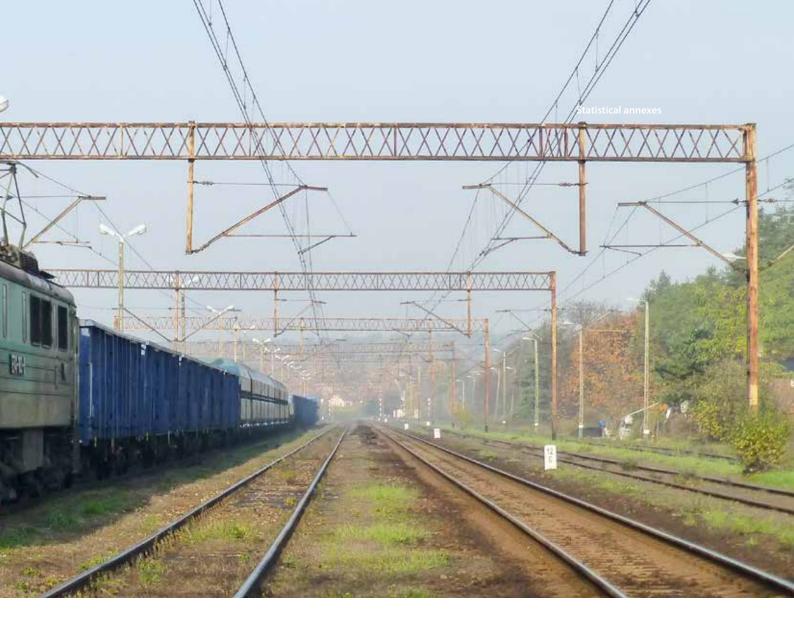
* Estimates. For CEF, the total cost is the total eligible cost and the "recommended funding" is the grant amount.
 Source: DG REGIO (PSA), DG REGIO (SF/CF 2007-2013)
 2 Source: JASPERS and EC (http://ec.europa.eu/transport/sites/transport/files/themes/infrastructure/ten-t-guidelines/project-funding/doc/cef/2015-cef-selected-proposals.pdf)



Annex 6:

Portfolio of assignments for the IPA II and Serbia mandates by country and sector at 31 December 2016

	Energy and Solid Waste	Rail, Air and Maritime	Roads	Smart Develop- ment	Water and Waste- water	Networking and Competence Centre	Multi- sector	2007- 2013	2014- 2020	ACTIVE ASSIGN- MENTS 31/12/2016	Energy and Solid Waste	Rail, Air and Maritime	Roads	Smart Develop- ment	Water and Waste- water	Networking and Competence Centre	Multi- sector	2007- 2013	2014- 2020	COM- PLETED IN 2016	PORT- FOLIO 2016
FYROM	6	2	2	0	5	0	0	1	14	15	0	0	1	0	0	0	0	1	0	1	16
MONTENEGRO	2	2	0	0	3	0	0	4	3	7	0	1	0	0	0	0	0	1	0	1	8
SERBIA	3	3	2	0	9	0	0	0	17	17	0	0	0	0	0	0	0	0	0	0	17
SERBIA	0	0	0	0	6	0	0	0	6	6	3	0	0	0	0	0	0	0	3	3	9
TOTAL	11	7	4	0	23	0	0	5	40	45	3	1	1	0	0	0	0	2	3	5	50



Annex 7:

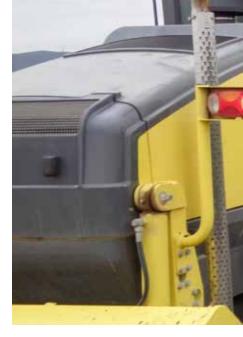
Assignments completed for IPA II and Serbia mandates by country and sector in 2016

	Sector	Туре	Programming period	Title	Completion date
2016					
FYROM	ROD	Horiz./Strategy Support	2007 - 2013	Reconstruction and upgrading of the Smokvica- Gevgelija motorway section (Corridor X)	09/12/2016
MONTENEGRO	RAM	Small Project	2007 - 2013	Rehabilitation of Section "Virpazar-Sutomore" (Tunnel Sozina) on Railway Line "Bar-Vrbnica"	19/04/2016
TURKEY	ESW	Small Project	2014 - 2020	Elbistan integrated waste management project (Kahramanmaras)	06/09/2016
	ESW	Small Project	2014 - 2020	COKAB integrated waste management project	06/09/2016
	ESW	Small Project	2014 - 2020	Viransehir/Ceylanpinar integrated waste management project	06/09/2016



Glossary and list of acronyms used in this report

CEF:	Connecting Europe Facility
CPR:	Common Provision Regulation
DG NEAR:	5
	Directorate General for Mobility and Transport
	Directorate General for Regional and Urban Policy
EBRD:	European Bank for Reconstruction and Development
EIA:	Environmental Impact Assessment
EFQM:	European Foundation of Quality Management
EIB:	European Investment Bank
ERDF:	European Regional Development Fund
ESW:	Energy and Solid Waste
EU:	European Union
IPA:	Instrument for Pre-Accession
IQR:	Independent Quality Review
JASPERS:	Joint Action to Support Projects in European Regions
MSE:	Multi-Sector Assignment
NCC:	Networking and Competence Centre
OP:	Operational Programme
PSA:	Post-Submission Appraisal
RAM:	Rail, Air and Maritime
ROD:	Roads
SRT:	Smart Development
TEN-T:	Trans-European Transport Networks
TO:	Thematic Objective
WAT:	Water and Wastewater



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The total cost of this JASPERS-supported project is EUR 107 million, of which EUR 84 million are EU grants. The application for grant funding was approved by the EC in September 2016 and the Vilnius Western bypass opened in December 2016.

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JASPERS Activity Report 2016





