

EFSI Operation Scoreboard¹

PROJECT PRESENTATION	
<u>Project name</u>	ARIANE 6 EUROPEAN SPACE LAUNCHER PROGRAM
<u>Promoter and financial intermediary</u>	ARIANEGROUP SAS
<u>Country of implementation</u>	France, Germany, Italy, Regional - EU countries
<u>Summary project description</u>	The project represents a large multiannual investment programme to develop a new family of European space launchers by ArianeGroup with improved technical flexibility and modularity to respond to the latest trends in the satellite market while lowering significantly the cost per launch. Thus, the programme is composed of sizeable R&D/qualification efforts including investments into prototypes, advanced manufacturing capabilities as well as new integration facilities for the new space launcher.

¹ This Scoreboard of indicators reflects the information presented to the EFSI Investment Committee (IC) for its decision on the use of the EU guarantee for this operation. Therefore, the document does not take into account possible developments that could have occurred after this decision.

Parts of this document that fall under the exceptions for disclosure defined by the EIB Group Transparency Policy, notably under articles 5.5 (protection of commercial interests) and 5.6 (protection of the Bank's internal decision-making process), have been replaced by the symbol [...].

PROJECT PILLAR ASSESSMENT

Pillar 1

Contribution to EU policy	Significant
Cross-cutting objectives	
EIB Cohesion Priority Regions / Economic and Social Cohesion	7.00%
EFSI	
Contribution to EFSI	100.00%
EFSI: Research, development and innovation	100.00%
Projects that are in line with Horizon 2020	60.00%
Other research, development and innovation	40.00%

Pillar 2

Quality and soundness of the project	Good
1. Growth	[...]
2. Promoter capabilities	[...]
3. Sustainability	[...]
4. Employment	[...]

This pillar evaluates the quality and soundness of the operation. This pillar is composed of up to four indicators, as relevant, among which:

- (i) "Growth" i.e. for example and where relevant the economic rate of return ('ERR'), which considers the project's socioeconomic costs and benefits, including its spillover effects;
- (ii) "Promoter capabilities" i.e. the capacity of the promoter/intermediary to implement the project and create the expected impact at the [final] beneficiary level;
- (iii) "Sustainability" i.e. environmental and social sustainability²;
- (iv) "Employment" i.e. the project's direct employment effect;
- (v) "Increasing access to finance and improving financing conditions including for final beneficiaries".

Pillar 3

EIB Technical and financial contribution to the project	Significant
1. Financial contribution	[...]
2. Financial facilitation	[...]
3. Advice	[...]

This pillar measures the EIB's particular contribution to the project and its financing scheme in the form of financial and non-financial benefits which go beyond what commercial players would normally be able to offer. This dimension of value added is assessed through up to three indicators:

- (i) "Financial Contribution" i.e. improving the counterpart's funding terms compared to market sources of finance (interest rate reduction and/or longer lending tenor);
- (ii) "Financial Facilitation" i.e. helping to attract private financiers (for example through positive signaling effects), promoting synergies in co-financing with other public sources of funds including National Promotional Banks or EU financial instruments;
- (iii) "Technical Contribution and Advice" i.e. providing advice with a view to optimizing the financing package (financial structuring), or technical advisory services in the form of expert input / knowledge transfer - provided in-house by the EIB or in the form of assignments to external consultants - to facilitate the preparation or implementation of a project.

² For additional information on the EIB's assessment of the project's environmental and social aspects, please refer to the project's Environmental and Social Data Sheet (ESDS) published on the EIB website.

Pillar 4 - Complementary indicators

Additionality

The operation will address the EFSI Objective of supporting research, development and innovation (RDI) in Europe. The operation will in particular support the promoter's investment in research, development and innovation capital expenditures to develop the next generation of European space launcher. The project indirectly supports innovation within European equipment manufacturers, which will generate significant positive knowledge, technology and/or environmental externalities through the creation of innovative processes, products or services and through skills development. Europe, (in particular France, Germany and Italy) will benefit from leveraged skills in this sector.

The operation is expected to be deployed up to 7% in Cohesion regions. It relates to convergence and social cohesion priorities, helps to reduce regional disparities and thus addresses the objective of supporting less-developed regions and transition regions. The operation is highly strategic as it contributes to support the development of the European expertise and leadership in the space market. It addresses the market failure of unbalanced competition as non-European actors benefit from strong institutional support (via subsidies and national preference) while European actors do not. Thus it also supports a fair competition in the space market worldwide.

The operation is expected to fall under the EIB Special Activity category. This is driven by the expected average credit rating of the tranches, the significant amount of EIB support required to contribute meaningfully given the number of launches forecast, and the pathfinder innovative nature of the product designed by EIB (often proposed in EFSI transactions). Furthermore, the operation is expected to support Arianespace order book build-up beyond its current financial constraints over the same period. The EIB would not be able to provide such type of financing support during the period in which the EU guarantee can be used, or not to the same extent, without EFSI.

This will be the first EIB EFSI operation in the space launcher market. EIB financing under EFSI shall provide comfort and a positive signalling effect to the market on the soundness of the borrower's strategy, and a catalytic effect strengthening private sector lenders' confidence in the borrower's capacity to pursue its investment programme. Given the importance of space launchers for European space strategy, the European Space Agency is overseeing the procurement, the architecture of the comprehensive space launch vehicle system and is funding the majority of the project expenditures.

Set of indicators related to the macroeconomic environment

France - Economic environment

Economic Performance

	FR 2018	EU 2018	US 2018	FR 2001-2007
GDP per capita (EUR, PPS)	31,988.40	30,935.11	43,569.11	31,052.70
GDP growth (%)	1.58	1.96	2.85	1.90
Potential GDP growth (%)	1.21	1.60	2.23	1.77
Output gap (% of potential GDP)	0.35	0.61	0.74	1.68
Unemployment Rate (%)	8.90	6.60	3.90	8.50
Unemployment Rate (%) - Y/Y change (% points)	-0.19	-0.60	-0.20	-0.18
Bank-interest rates to non-financial corporations (%)	1.37	1.26	--	3.53
Bank-interest rates to non-financial corporations (%) - Y/Y change (% points)	-0.02	-0.06	--	0.00
Investment rate (GFCF as % of GDP) - Total	22.92	20.54	20.84	21.75
Investment rate (GFCF as % of GDP) - Public	3.38	2.85	3.30	3.91
Investment rate (GFCF as % of GDP) - Private	19.53	17.68	17.53	17.84

General Sector Indicators

	2014	2015	2016	2017	EU (latest available)
Value added in Air transport (% of total VA)	0.27	0.32	0.32	0.32	0.32
Employment in Air transport (% of total employment)	0.16	0.15	0.22	0.21	0.15

Information and communications technology

	2014	2015	2016	2017	EU (latest available)
The Digital Economy and Society Index (DESI) (composite index)	43.18	46.26	49.36	52.25	52.25
Fixed broadband subscriptions (lines) per 100 people	31.02	32.15	32.65	42.49	32.65
Fixed broadband Next Generation Access (NGA) coverage/availability (% of households)	66.63	69.70	74.93	79.46	83.14
Mobile broadband subscriptions per 100 population	71.99	80.70	83.89	--	83.89
Internet bandwidth (kb/s per user)	17.00	12.00	--	--	--

Germany - Economic environment

Economic Performance

	DE 2018	EU 2018	US 2018	DE 2001-2007
GDP per capita (EUR, PPS)	37,956.14	30,935.11	43,569.11	33,490.41
GDP growth (%)	1.42	1.96	2.85	1.40
Potential GDP growth (%)	1.62	1.60	2.23	1.31
Output gap (% of potential GDP)	0.68	0.61	0.74	-0.17
Unemployment Rate (%)	3.30	6.60	3.90	9.42
Unemployment Rate (%) - Y/Y change (% points)	-0.30	-0.60	-0.20	0.05

Bank-interest rates to non-financial corporations (%)	1.02	1.26	--	4.11
Bank-interest rates to non-financial corporations (%) - Y/Y change (% points)	-0.13	-0.06	--	-0.04
Investment rate (GFCF as % of GDP) - Total	20.77	20.54	20.84	19.91
Investment rate (GFCF as % of GDP) - Public	2.32	2.85	3.30	2.04
Investment rate (GFCF as % of GDP) - Private	18.44	17.68	17.53	17.86

General Sector Indicators

	2014	2015	2016	2017	EU (latest available)
Value added in Air transport (% of total VA)	0.27	0.32	0.32	0.32	0.32
Employment in Air transport (% of total employment)	0.16	0.15	0.15	--	0.15

Information and communications technology

	2014	2015	2016	2017	EU (latest available)
The Digital Economy and Society Index (DESI) (composite index)	43.18	46.26	49.36	52.25	52.25
Fixed broadband subscriptions (lines) per 100 people	31.02	32.15	32.65	40.27	32.65
Fixed broadband Next Generation Access (NGA) coverage/availability (% of households)	66.63	69.70	74.93	79.46	83.14
Mobile broadband subscriptions per 100 population	71.99	80.70	83.89	--	83.89
Internet bandwidth (kb/s per user)	24.00	20.00	--	--	--

Italy - Economic environment

Economic Performance

	IT 2018	EU 2018	US 2018	IT 2001-2007
GDP per capita (EUR, PPS)	29,550.74	30,935.11	43,569.11	31,924.97
GDP growth (%)	0.85	1.96	2.85	1.16
Potential GDP growth (%)	0.46	1.60	2.23	1.05
Output gap (% of potential GDP)	-0.11	0.61	0.74	1.55
Unemployment Rate (%)	10.40	6.60	3.90	7.64
Unemployment Rate (%) - Y/Y change (% points)	-0.50	-0.60	-0.20	-0.42
Bank-interest rates to non-financial corporations (%)	1.05	1.26	--	3.81
Bank-interest rates to non-financial corporations (%) - Y/Y change (% points)	-0.08	-0.06	--	0.02
Investment rate (GFCF as % of GDP) - Total	17.96	20.54	20.84	21.06
Investment rate (GFCF as % of GDP) - Public	2.11	2.85	3.30	2.87
Investment rate (GFCF as % of GDP) - Private	15.85	17.68	17.53	18.18

General Sector Indicators

	2014	2015	2016	2017	EU (latest available)
Value added in Air transport (% of total VA)	0.27	0.32	0.32	0.32	0.32
Employment in Air transport (% of total employment)	0.16	0.15	0.08	--	0.15

Information and communications technology

	2014	2015	2016	2017	EU (latest available)
The Digital Economy and Society Index (DESI) (composite index)	43.18	46.26	49.36	52.25	52.25
Fixed broadband subscriptions (lines) per 100 people	31.02	32.15	32.65	27.37	32.65
Fixed broadband Next Generation Access (NGA) coverage/availability (% of households)	66.63	69.70	74.93	79.46	83.14
Mobile broadband subscriptions per 100 population	71.99	80.70	83.89	--	83.89
Internet bandwidth (kb/s per user)	31.00	32.00	--	--	--

Regional - EU countries - Economic environment

Economic Performance

	EU 2018	EU 2018	US 2018	EU 2001-2007
GDP per capita (EUR, PPS)	30,935.11	30,935.11	43,569.11	29,363.37
GDP growth (%)	1.96	1.96	2.85	2.27
Potential GDP growth (%)	1.60	1.60	2.23	2.10
Output gap (% of potential GDP)	0.61	0.61	0.74	0.93
Unemployment Rate (%)	6.60	6.60	3.90	8.55
Unemployment Rate (%) - Y/Y change (% points)	-0.60	-0.60	-0.20	-0.25
Bank-interest rates to non-financial corporations (%)	1.26	1.26	--	3.90
Bank-interest rates to non-financial corporations (%) - Y/Y change (% points)	-0.06	-0.06	--	-0.02
Investment rate (GFCF as % of GDP) - Total	20.54	20.54	20.84	21.38
Investment rate (GFCF as % of GDP) - Public	2.85	2.85	3.30	3.05
Investment rate (GFCF as % of GDP) - Private	17.68	17.68	17.53	18.33

General Sector Indicators

	2014	2015	2016	2017	EU (latest available)
Value added in Air transport (% of total VA)	0.27	0.32	0.32	0.32	0.32
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Fixed broadband Next Generation Access (NGA) coverage/availability (% of households)	66.63	69.70	74.93	79.46	83.14
Mobile broadband subscriptions per 100 population	71.99	80.70	83.89	--	83.89
Internet bandwidth (kb/s per user)	--	--	--	--	--

- Country average for "GDP per capita (EUR, PPS)" is calculated in real terms

- EU value for "Bank-interest rates to non-financial cooperations" corresponds to Euro Area average; Country average is the simple average between 2003 and 2007

- *The EU value is displayed as the value in the year that corresponds to the latest value of the indicator in a particular country*

Other indicators³

Key project characteristics	Expected value at PCR
Start of works	01.01.2018
End of works	31.12.2023
Project investment cost [MEUR]	[...]
EIB/EFSI eligible investment mobilised [MEUR]	[...]
External EFSI multiplier	3.56
External EIB (non-EFSI) multiplier	
Amount of private financing [MEUR]	0.00 MEUR
Quick start (% of expenditure during 2015-2018) [%]	
Co-financing with national promotional banks [MEUR]	0.00 MEUR
Co-financing with structural funds (ESIF) [MEUR]	0.00 MEUR
Co-financing with other EU instruments (i.e. Horizon 2020, Connecting Europe Facility, etc) [MEUR]	
Energy efficiencies realised [MWh/a]	0.00 MWh/a
Climate Action indicator	
Employment during construction - temporary jobs [person years]	10,000 person years
Employment during operation - new permanent jobs [FTE]	0 FTE

³ For additional information on the EIB's assessment of the project's environmental and social aspects, please refer to the project's Environmental and Social Data Sheet (ESDS) published on the EIB website. The abbreviation PCR stands for Project Completion Report. If applicable, a difference between the amount of Project investment costs and EIB/EFSI eligible investment mobilized might derive from the fluctuation of the underlying exchange rate.