


The Implementation of Competitiveness Operational Programme 2014-2020

Ministry of European Funds
Managing Authority for COP

Ciprian GHIOC
Deputy general director

Budapest, 28 November 2019



General Overview 2014- 2020

- **Partnership Agreement for Romania, 2014 – 2020, has been signed in August, 2014**
- **Competitiveness Operational Programme 2014-2020 has been approved by the CE Decision C(2014)10233 – in December, 2014.**
- **Ministry of European Funds has been designated as a Managing Authority for COP 2014-2020.**

Overview of the investment strategy of the operational programme

During the programming period 2014-2020, POC will benefit of a grant of
EUR 1.329 million from the ERDF
and
252,98 mil. euro – Romania State Budget - SB)

Competitiveness Operational Programme cover 2 thematic objective, as follow:

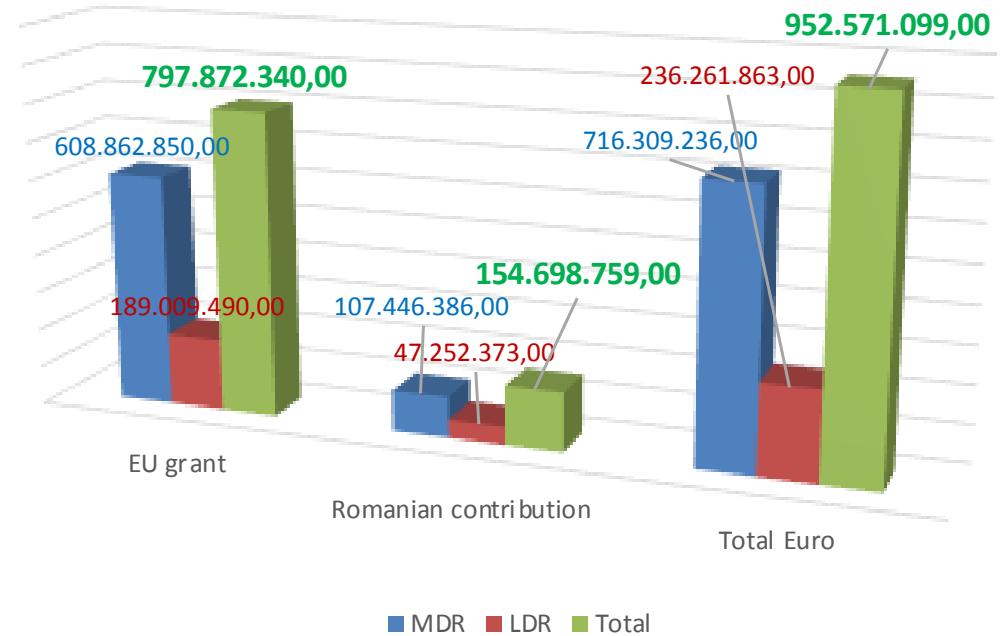
T.O. 1. - Strengthening research, technological development and innovation

T.O. 2. Enhancing access to, and use and quality of, information and communication technologies

Overview of the investment strategy of the operational programme

- Thematic objective/Investment priority/Specific objective
- Priority Axis 1 - Research, technological development and innovation (RDI) in order to support economic competitiveness and business development: 952,57 mil. euro (797,87 mil. euro – EU and 154,69 mil. euro – State Budget)
- Eligible beneficiaries – enterprises, public RD institutes or universities, entities that manage innovative cluster type structures, public and/or private research organizations and partnerships between those.

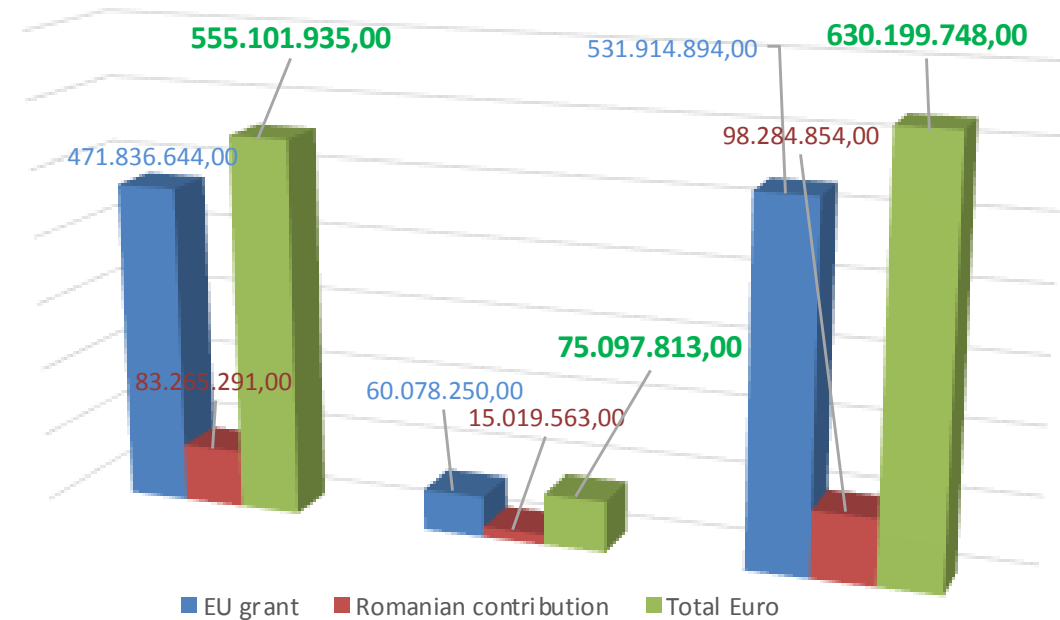
Research, technological development and innovation



Overview of the investment strategy of the operational programme

- Thematic objective/Investment priority/Specific objective
- **Priority Axis 2 - Information and communication technology (ICT)** for a competitive digital economy: 630,19 mil. euro (531,91 mil. euro - EU and 98,28 mil. euro - SB).
- **Eligible beneficiaries** – enterprises, central public authorities responsible for: CIT, health, education, culture, consumer protection, as well as central government body which manages/coordinate public services that target the 36 predefined life events, including partnerships between these public institutions.

Information and communication technology



Launched calls

Total launched calls at 1st of November 2019:

- 45
- Total value launched – **1.475.128.027 Euro**
- Percentage from the total OP allocation – **93,20%**

Priority Axis 1 RD&I:

- 29, from which 7 with continuous submission
- Total value launched – **903.030.655 Euro**
- Percentage from the total PA1 allocation – **94,80%**

Priority Axis 2 IT&C:

- 16, from which 7 with continuous submission
- Total value launched – **572.097.372 Euro**
- Percentage from the total PA2 allocation – **90,78%**

Financial contracts signed

398 financing contracts signed - total value of the nonrefundable value granted: **1.226,52 mil. euro**, out of which the EU contribution is 739,03 mil. euro.

Percentage from the EU allocation – 55,57%:

- **Priority Axis RD&I: 225 financing contracts** - total value of the nonrefundable value granted: **743,04 mil. euro**, out of which the EU contribution is **550,90 mil. euro (69,04 % from the EU allocation for axis)**
- **Priority Axis IT&C: 173 financing contracts** - total value of the nonrefundable value granted: **267,45 mil. euro**, out of which the EU contribution is **188,13 mil. euro (35,36 % from the EU allocation for axis)**.

Projects under evaluation process

501 projects under evaluation process -
total value of the nonrefundable value
granted: **992,05 mil. Euro**, EU contribution

Percentage from the EU allocation:
74,60%:

- **Priority Axis RD&I: 275 projects under evaluation –**
total value of the nonrefundable value granted:
564,19 mil euro
- **Priority Axis IT&C: 226 projects under evaluation -**
total value of the nonrefundable value granted:
427,86 mil. euro

State of play

Programmes 2014-2020	Total Allocation (mil. euro)	EU Allocation (mil. euro)	Total value of the projects submitted (mil. euro)	Contracted projects				Payments to beneficiaries		
				Number	Total value (mil. euro)	EU contribution (mil. euro)	Contracting rate (%)	Total (mil. euro)	EU contribution (mil. euro)	EU payment rate (%)
Competitiveness OP (C OP)	1 583	1 330	3 791	367	1 314	1 008	75.8%	445	400	30.1%

Programmes 2014-2020	EU Allocation (mil. euro)	Amount requested to EC until November 2019		Amount reimbursed by EC until November 2019		Total amounts received from EC (include prefinancing)	
		EU contribution (mil. euro)	(%)	EU contribution (mil. euro)	(%)	EU contribution (mil. euro)	(%)
Competitiveness OP (C OP)	1 330	304	22.86%	240	18.08%	334	25.13%

No decommitment risk for 2019

Specific financial instruments

- The Funding Agreement (“FA”) between the Government of Romania and European Investment Fund for the creation of the ESIF Competitiveness Fund of Funds (“FoF”) was signed on 20 September 2016.
- The FoF is financed from the Competitiveness Operational Programme (“OP”) with a total amount of EUR 59, 3 mil. Eur, out of which:
 - EUR 50,014,263.57 from ERDF and
 - EUR 9,285,736.43 as national budget co-financing.
- The FA provides for the following indicative allocation of resources:
 - EUR 40m for equity instruments for early-stage SMEs;
 - EUR 15.15m for a Portfolio Risk Sharing Instrument for SMEs;
 - EUR 4.15m as provision for management costs.
- The financial instruments target is SMEs focused on innovation located mostly in the less developed regions of Romania.

Specific financial instruments

- The status of implementation of the two instruments is as follows:
- **1.1. Equity**
- The deadline for receipt of Expressions of Interest was 20 February 2017.
- Out of 8 expressions of interest, following eligibility check, quality assessment, due diligence and contractual negotiations, two applicants were selected:
 - **GapMinder (FoF allocation EUR 22m)**
 - **Early Game (FoF allocation EUR 18m)**
- **1.1.a. Gapminder www.gapminder.vc**
 - The equity fund succeeded to attract over EUR 18m from private investors, reaching a final fund size of EUR 40.1m.
 - GapMinder began to invest in early 2018 and has made 35 investments in 26 SMEs, most of them through the accelerator compartment.
- **1.1.b. Early Game <https://earlygame.vc/>**
 - The fund began to invest in 2019 and as of Q2 had 2 SMEs in its portfolio with a total investment (including private resources) of EUR 0.7m.



Specific financial instruments

- **1.2. Portfolio Risk Sharing Loan (“PRSL”)**
- The Call for Expression of Interest was published on 20 December 2016 and republished in June 2017
- Only one Expression of Interest was received from one bank, ProCredit, which was selected and received the full allocation of EUR 15.15m. The operational agreement with ProCredit was signed on 22 December 2017.
- Following the issuance of the de minimis aid scheme, the implementation of the instrument began in June 2018 with the origination of the first loans.
- As at 30 June 2019, the financial intermediary committed a total of EUR 7,121,016 and disbursed a total of EUR 4,749,935 to 11 Final Recipients which constituted 14 SME transactions.

Output and result indicators - stage

Specific indicator title PA 1	Target value	Value obtained in July 2018	Degree of achievement
scientific co-publications public-private to 1 million (3S1)	18	81 (absolute value, not reported to 1 million inhabitants)	23%
Contribution Horizon 2020 attracted by participating institutions from Romania (3S2)	270	11.9	
Application Support Centers at Horizon 2020 and other international programs (3S5)	20	1	5%
Patent applications resulting from projects (3S7)	200	32	16%
Foreign specialists engaged in sustained projects (3S6)	50	174 (the total number of researchers employed was taken into account without reference to the duration of the research activity they were involved in)	

Indicators / milestones for implementing the performance framework

PA 1 Research, Technological Development and Innovation (RDI) in support of economic competitiveness and business development

ID	Indicator or key implementation step	Unit	Milestone 2018	REPORT / CERTIFICATE
			Less developed	October 2018
	Total amount of certified eligible expenditure	Euro	87 702 161.00	64 806 903.43
	Productive investments: Number of enterprises benefiting from funding	enterprise	38.00	60.00
	Research, innovation: the number of new researchers in supporting entities	Full time equivalent (FTE)	31.00	233.00 (account was taken of no. total of researchers employed without reference to the duration of the research activity they were involved in)

PA 1 Research, Technological Development and Innovation (RDI) in support of economic competitiveness and business development

ID	Indicator or key implementation step	Unit	Milestone 2018	REPORT / CERTIFICATE
			More developed	October 2018
	Total amount of certified eligible expenditure	Euro	28 946 858.00	84 548 095.13
	Productive investments: Number of enterprises benefiting from funding	enterprise	12.00	39 (the number of contracts signed with the beneficiary of the productive enterprise was taken into account)
	Research, innovation: the number of new researchers in supporting entities	Full time equivalent (FTE)	24.00	185 (account was taken of no. total of researchers employed without reference to the duration of the research activity they were involved in)

Indicators / milestones for implementing the performance framework

PA 2 — Information and Communication Technology (ICT) for a competitive economy				
ID	Indicator or key-step of the implementation	Measure unit	Milestone 2018	REPORTED/ CERTIFIED October 2018
			Less developed	
	Total value of the certified eligible expenses	Euro	67 964 555.00	18 606 380.72
	Public procurement contracts for the projects related to the 36 life events (level IV of sophistication)		100%	0.00
	Public procurement contracts for the projects related the implementation of Web 2.0 OER in education, in 2000 schools.		100%	0.00
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	Total value of the certified eligible expenses	Euro	9 201 002.00	7 023 038.00
	Public procurement contracts for the projects related to the 36 life events (level IV of sophistication)		100%	0.00
	Public procurement contracts for the projects related the implementation of Web 2.0 OER in education, in 2000 schools.		100%	0.00

Comparative
situation between
POC and POSCCE
after 5 years of
implementation
(EFRD)

Operational Program	Launched calls	Signed financing contracts	Payments to the beneficiaries	Total allocation for the Operational Programme
COP 2014-2020	1.194,93 mil euro (90,08% of OP)	739,03 mil. euro (55,57% of OP)	256 mil. euro (19,25% of the OP)	1.329,78 mil euro
SOP IEC 2007-2013 (without Axis 5 - Technical Assistance)	2.486,22 mil. Euro (99,98% of OP)	1.084,61 mil. euro (43,61% of OP)	261,96 mil euro (10,53% of the OP)	2.486,69 mil euro



EUROPEAN UNION



Structural Instruments
2014-2020

Project co-financed by the European Regional Development Fund through the Competitiveness Operational Programme
“Investing in Sustainable Development”

Extreme Light Infrastructure-Nuclear Physics



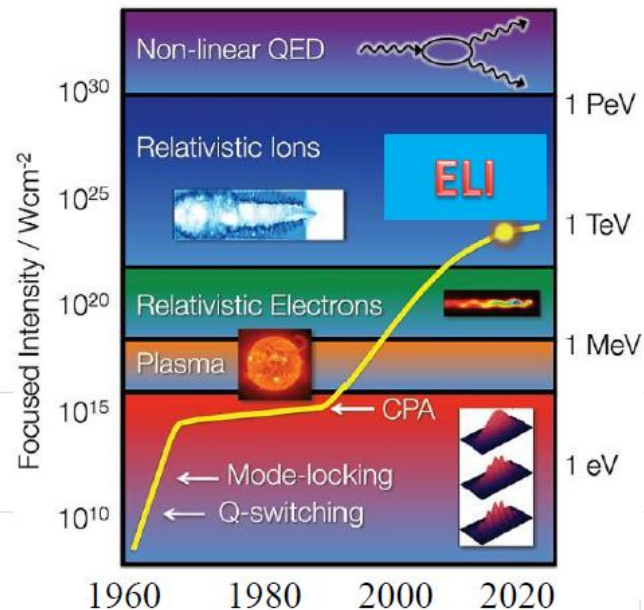
(ELI-NP) – Phase II



Extreme Light Infrastructure (ELI)



Gerard Mourou
Nobel 2018

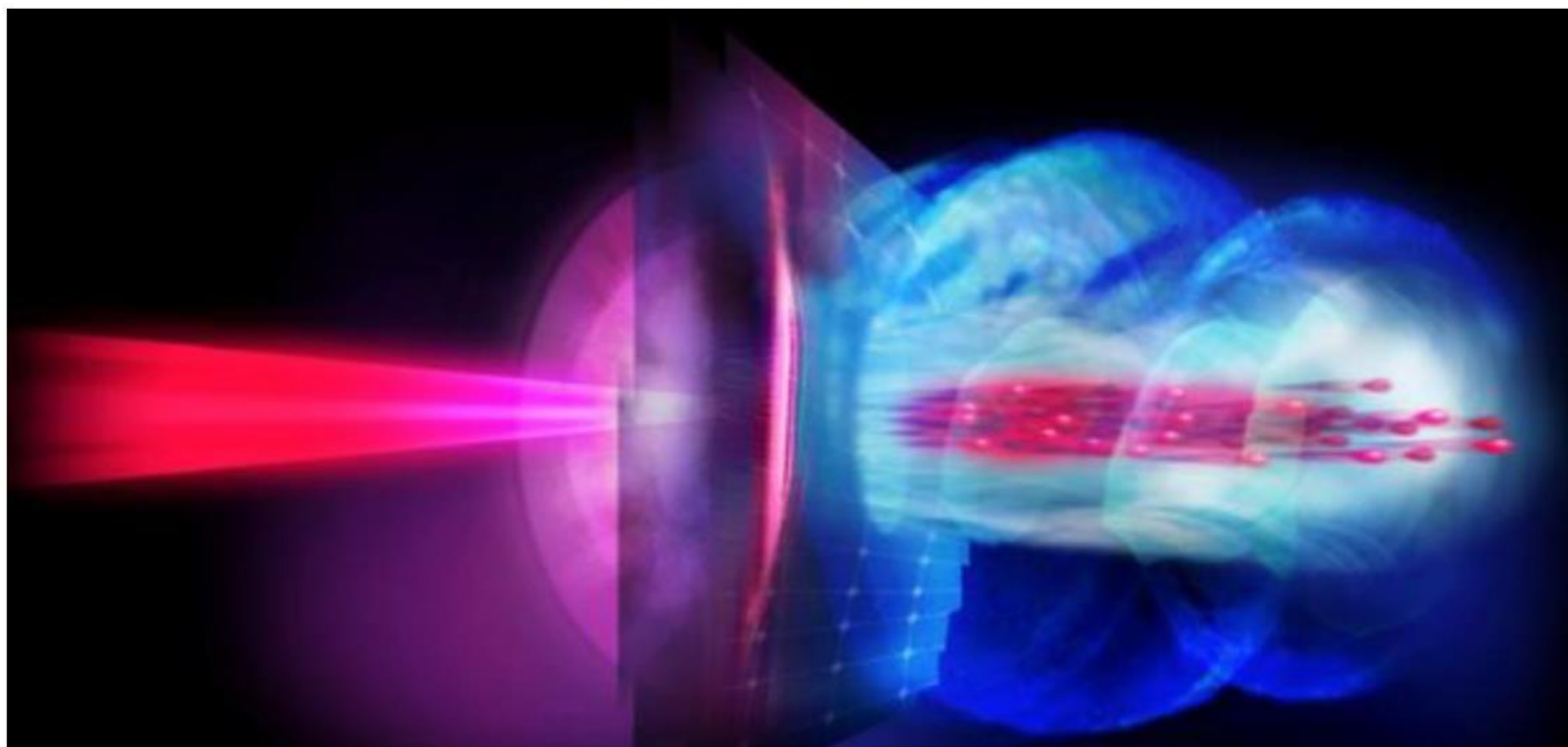
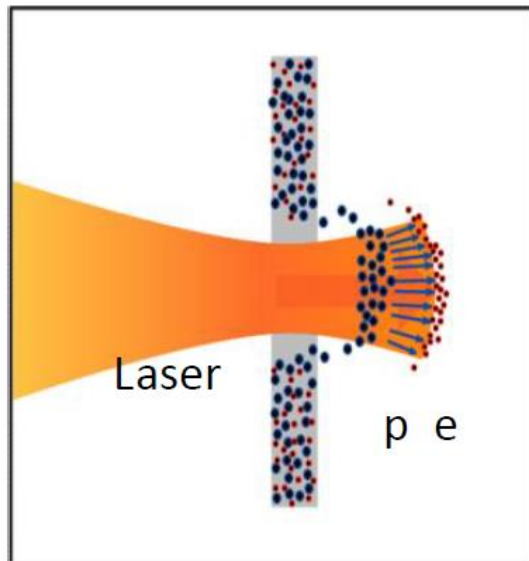


Peak Power (PW)

Laser Peak Powers in the world



CERN - Geneva



ELI-NP Project

310 M€

2013-2023

Large Instruments

- High power laser system (2019): 2 x 10PW maximum power **March 2019**
- High intensity gamma beam system: high brilliance variable energy up to 20 MeV **(2022)**

Experiments

- 8 experimental rooms for gamma, laser and gamma-laser
- Workshops and laboratories



Scientific program

Nuclear Physics experiments to characterize laser – target int.
Photonuclear reactions
Exotic Nuclear Physics and astrophysics
QED and fundamental physics
Applied Research

Start of Operation

Laser exp: gradually 2019-2020
Gamma exps : 2023

Land area: 10 ha, total built area: 33000 m²

HPLS
GBS
Laboratories
Experiments
Office Building
Guest House
Canteen

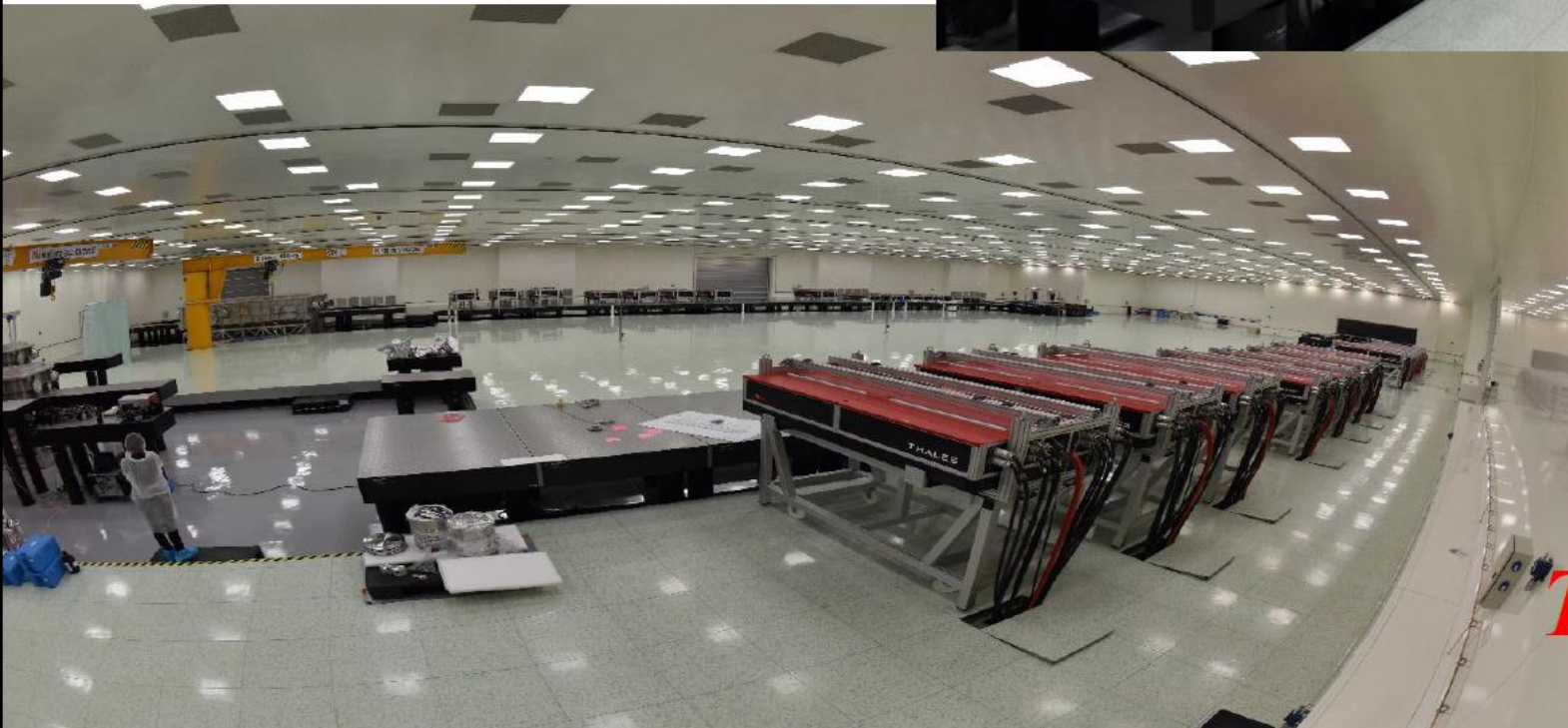
STRABAG



ELI-NP High Power Laser System

**The most powerful laser
in the world!**

20 PW =
10% of Sun's total power on earth

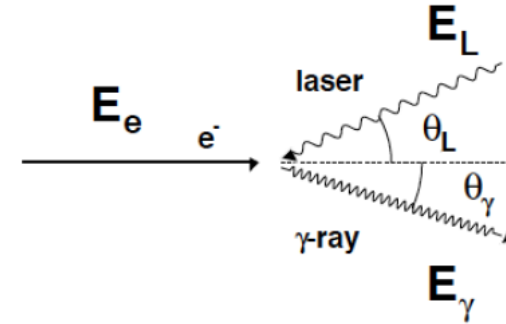


THALES

ELI-NP Gamma Beam System

Compton backscattering:

$$E_{\gamma} = 4\gamma_e^2 E_L \quad \text{‘Photon accelerator’}$$
$$\Rightarrow E_{\gamma} \sim 20 \text{ MeV}$$



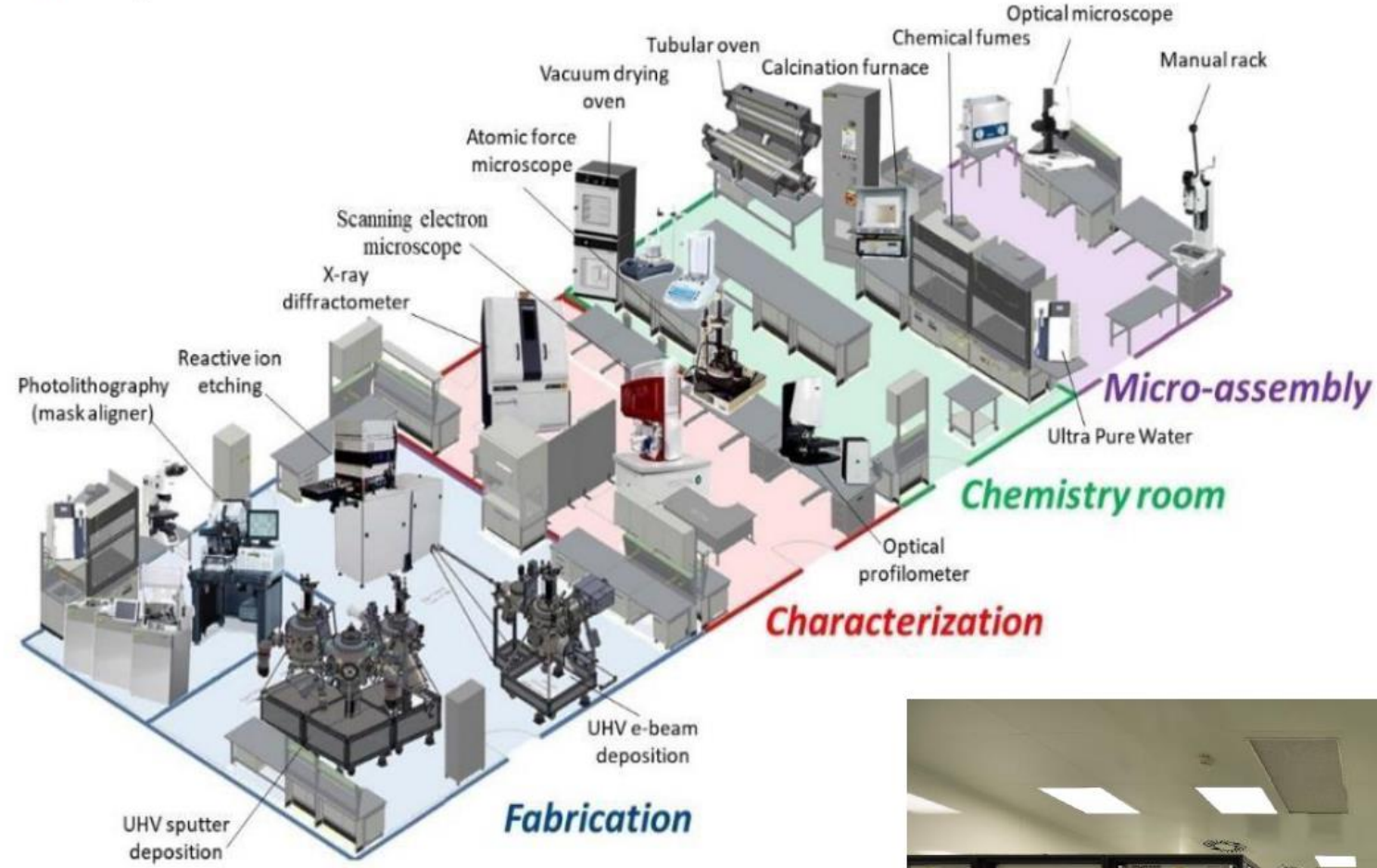
Contract 2014: EuroGammas Consortium

INFN Italy – leader, CNRS, La Sapienza,
ACP, Alysom, Scandinova, Comeb

November 2018 Contract terminated by IFIN-HH
due to Supplier-EGS refusal to fulfil their obligations

October 4th 2019: Contract with **Lyncean Technologies Inc. US**
Delivery: February 2023

Target Laboratory





UNIUNEA EUROPEANĂ



Instrumente Structurale
2014-2020

THANK YOU!

Managing Authority for the Competitiveness Operational Programme



MINISTERUL FONDURILOR EUROPENE

