

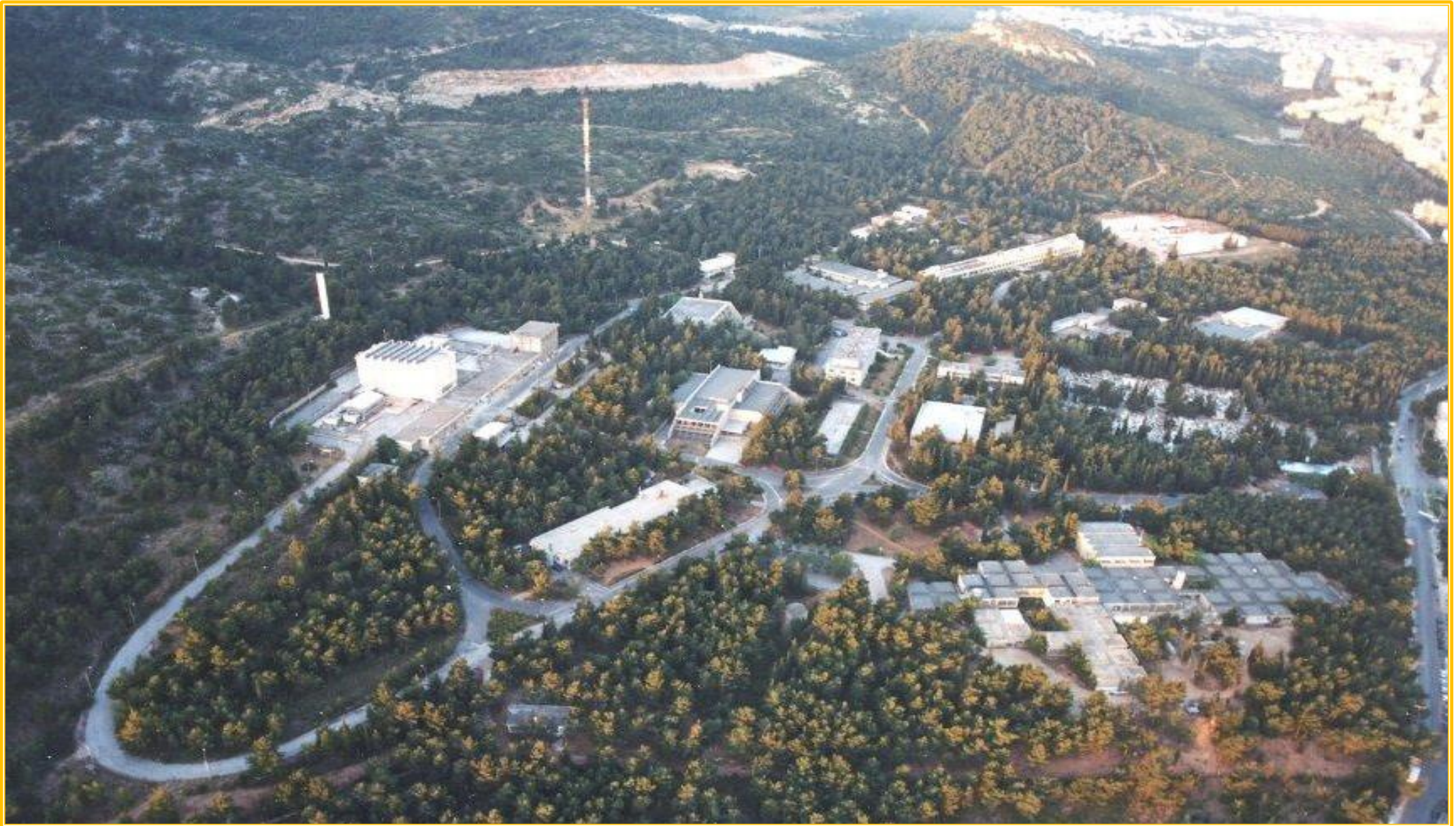
# National Centre for Scientific Research “Demokritos”



Institute of Nuclear and Particle Physics

INPP ISAC meeting, 21-22/11/2019

Director's report



# The Institutes

The Institute  
of Nuclear & Radiological  
Sciences and Technology,  
Energy & Safety  
(INRASTES)

The Institute  
of Nuclear and Particle  
Physics (INPP)

The Institute  
of Nanoscience  
and Nanote-  
chnology  
(INN)

The Institute  
of Informatics  
and Telecommunications  
(IIT)

The Institute  
of Biosciences  
& Applications  
(IBA)





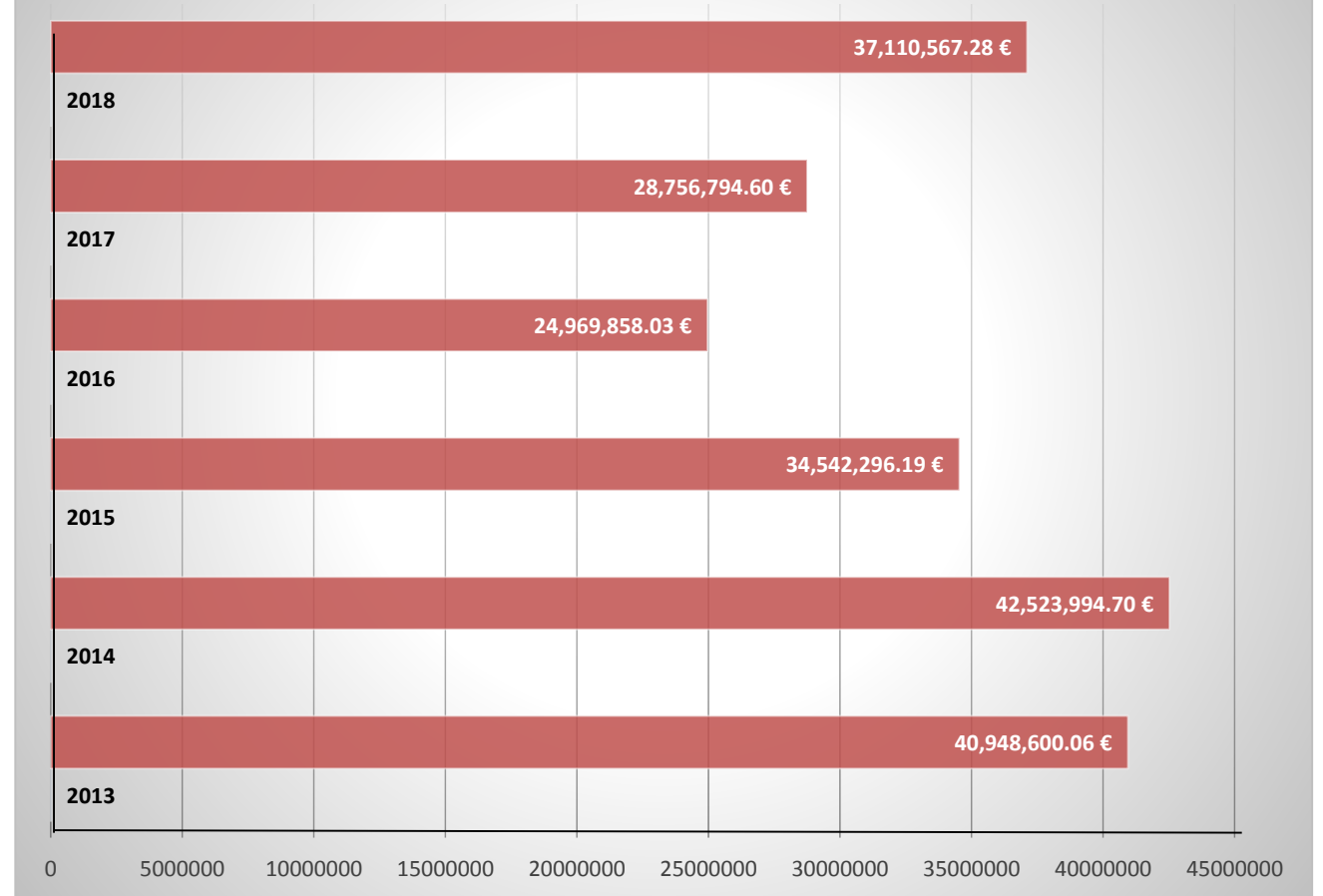
# Financial Resources

2018

37.1 mil. Euros

From GR state:  
13 mil. Euros

## INCOME TOTAL





European Investment Bank



EUROPEAN INVESTMENT FUND

NEWS & MEDIA

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# NCSR DEMOKRITOS INFRASTRUCTURE EXPANSION PROJECT



Print

## BUDGET: 50.3 million Euros

**Reference:** 20180744

**Release date:** 13 June 2019

Promoter – Financial Intermediary

HELLENIC REPUBLIC

Location

Greece

Our activities in the European Union



[Find out more >](#)



# National Research Infrastructures

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GSRT Administered Program for User- Accessible Research Facilities (ESFRI – related)



# INNOVATION-EL

Nanotechnology, Advanced Materials and Micro/Nanoelectronics

# OPENSREEN-GR

Chemical Biology and Target-Based Screening for Health, Agriculture and the Environment

# CALIBRA

Cluster of Accelerator Laboratories for Ion-beam Research & Applications

**APOLLONIS** Digital Arts, Humanities and Language Research

**PROMETHEUS** Integrated Energy Chain

**INSPIRED** Structural Biology

**PANACEA** Climate Change

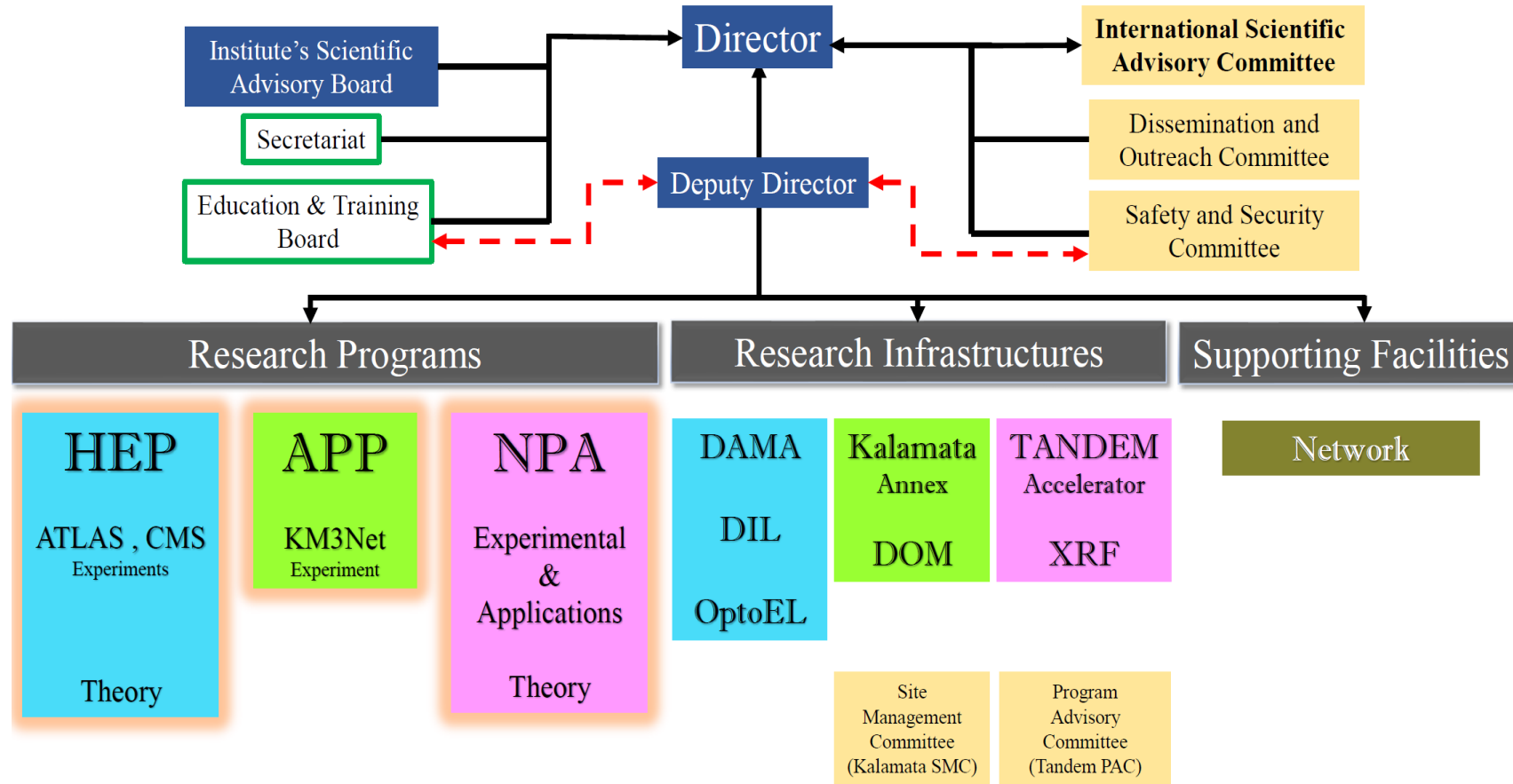
**ENIRRIST** Shipping Transport and Logistics

**deTAnet** High-Energy Physics Detectors

**BIOIMAGING** Visualizing and Monitoring Fundamental Biological Processes



# Organization chart





# Personnel

In 2019:

- 18 tenured / tenure-track researchers
- 9 administration / technicians / support personnel (permanent or indefinite duration contracts)
- 25 under fixed term contracts

2018: 1 tenure-track researcher (M. Axiotis, Nuclear Physics)

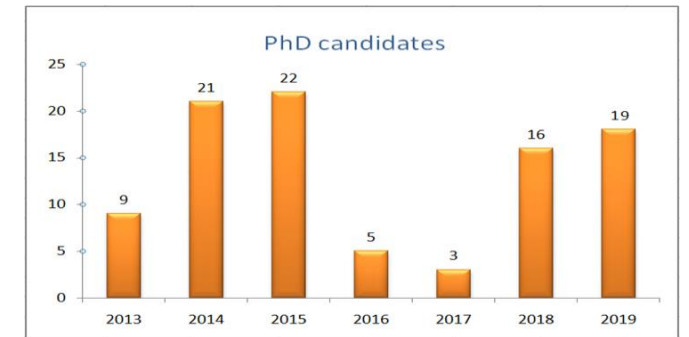
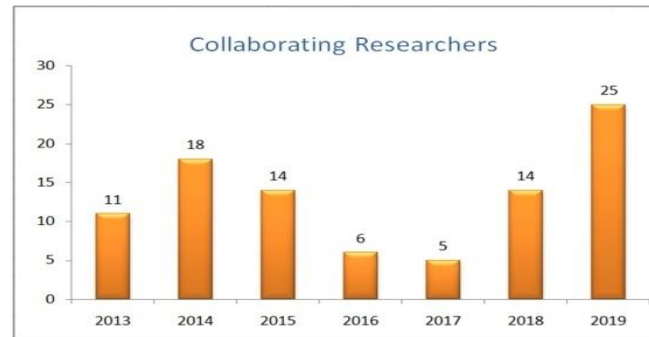
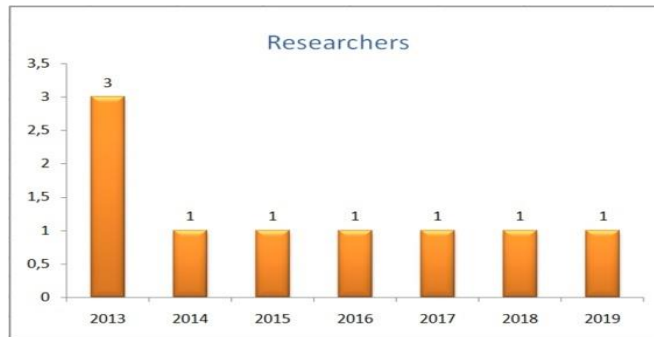
2019 : 1 tenure-track researcher (V. Kouskoura, Experimental HEP)

1 tenure track scientist (I. Kazas, electronics engineer, HEP)

Pending 1 researcher position in APP; 1 more researcher position in 2020.



# Evolution of personnel



# Active funded programs

Title	Principal Investigator	Starting date	Finishing date	Budget	Title	Principal Investigator	Starting date	Finishing date	Budget
Non destructive analyses with x-rays	Andreas Karydas	1/4/1998	31/5/2022	50,000.00 €	Analytic applications using synchrotron techniques	Andreas Karydas	10/3/2017	9/3/2020	15,000.00 €
Support for INPP	INPP Director	28/7/1998	27/1/2022	25,000.00 €	Highly Miniaturized ASIC Radiation Detector	Dimitrios Loukas	7/3/2017	25/5/2020	40,987.00 €
Detection devices systems	Dimitrios Loukas	1/12/2002	31/12/2021	35.000,00 €	ESSnuSB (H2020)	George Fanourakis	1/1/2018	31/12/2021	64,953.00 €
Techologies for education and development	Theodoros Geralis	11/12/2002	21/12/2021	50.000,00 €	ORASY	INPP Director	1/4/2018	31/12/2020	282,000.00 €
Particle Phenomenology	Kostas Papadopoulos	1/3/2007	28/2/2022	90,000.00 €	CALIBRA	Sotirios Harissopoulos	1/1/2017	31/12/2021	3,422,000.00 €
Fusion – Radiation studies	Sotirios Harissopoulos	1/12/2008	31/12/2020	50,000.00 €	RENA II	George Fanourakis	1/6/2018	31/2/2020	55,870.00 €
KM3NeT support activities	Christos Markou	1/1/2013	31/12/2021	59,000.00 €	Holographic Applications of Quantum Entanglement (HAPPEN)	Georgios Pastras	2/11/2018	1/11/2020	182.598,94 €
Irradiation studies	Anastasios Lagoyannis	1/7/2013	5/7/2019	6.000,00 €	Development and Implementation of the MIXMAX Technology	George Savvidy	1/2/2019	31/12/2019	31.000,00 €
LIBRA	Sotirios Harissopoulos	1/9/2014	31/8/2020	300,000. 00 €	Detector Development and Technologies for High Energy Physics (DeTANet)	Theodoros Geralis	11/2/2019	10/2/2022	125.962,67 €
ENSAR 2 — H2020	Sotirios Harissopoulos	1/3/2016	29/2/2020	60,000.00 €	GEANT4-Based particle simulation facility for future science mission support	Anastasios Lagoyannis	1/4/2019	30/4/2022	120.935,00
KM3NET 2.0	Christos Markou	1/1/2017	31/12/2019	487,500.00 €					



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Irradiation studies	Anastasios Lagoyannis	1/7/2013	5/7/2019	6.000,00 €	1	Development and Implementation of the MIXMAX Technology	George Savvidy	1/2/2019	31/12/2019	31.000,00 €
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ENSAR 2 — H2020	Sotirios Harissopoulos	1/3/2016	29/2/2020	60,000.00 €	2	GEANT4-Based particle simulation facility for future science mission support	Anastasios Lagoyannis	1/4/2019	30/4/2022	120.935,00
KM3NET 2.0	Christos Markou	1/1/2017	31/12/2019	487,500.00 €	5					



# Pending funding decisions – Funding opportunities

Long delays in the process of final decisions in National funding initiatives:

ELIDEK : ~2 years delay of the final decisions on large scale infrastructures.  
3 calls are pending.

Other National calls : ~ more than 1.5 year delay.

H2020 and Horizon Europe do not target on basic science.

Research paradigm in Greece may change.

Nevertheless, several proposals in the pipeline for assessment.



Our biggest asset is the young people who are willing to stay and work with us.

We hope to be able to keep them, and ISAC can be a significant enabler for this.

