

# HEALTHINF 2017

10<sup>TH</sup> INTERNATIONAL CONFERENCE ON  
HEALTH INFORMATICS

21 - 23 FEBRUARY, 2017

PORTO, PORTUGAL

BIOSTEC 2017

## Panel on European Projects Space

# Research Funding in EU

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# Board of Longitude London, UK, 1714

The 1<sup>st</sup> research funding body to announce calls for proposals!



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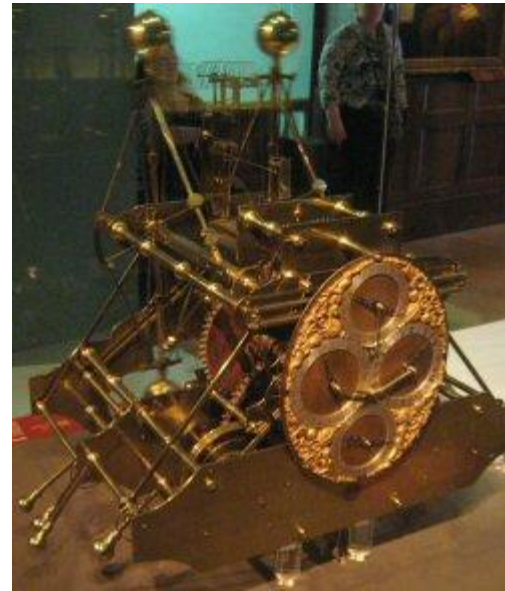
John Harrison (1693-1776)  
Clockmaker

P. L. Tassaert 1768

John Harrison (1693-1776)

© National Maritime Museum, Greenwich, London

[http://en.wikipedia.org/wiki/File:John\\_Harrison\\_Uhrmacher.jpg](http://en.wikipedia.org/wiki/File:John_Harrison_Uhrmacher.jpg)



Harrison's H1 clock

[http://en.wikipedia.org/wiki/File:H1\\_low\\_250.jpg](http://en.wikipedia.org/wiki/File:H1_low_250.jpg)

Dava Sobel, Longitude,  
Harper Perennial, London, 2008

# Eleni Kaldoudi

## Associate Professor

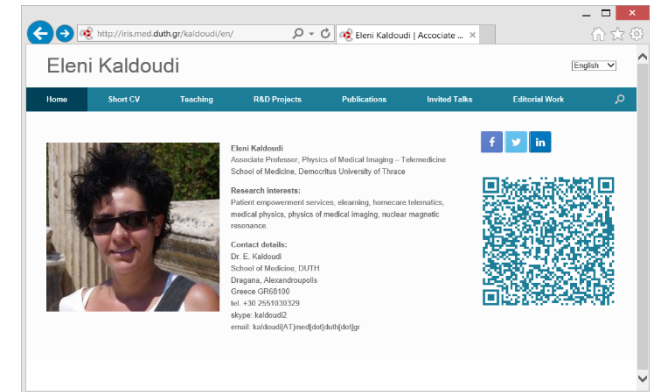
Physics of Medical Imaging & Telemedicine  
School of Medicine  
Democritus University of Thrace  
Greece

## Secretary General

**EAMBES**: European Alliance of Medical &  
Biological Engineering & Science

## Chair of the

**IFMBE** Committee on Women in Medical &  
Biological Engineering

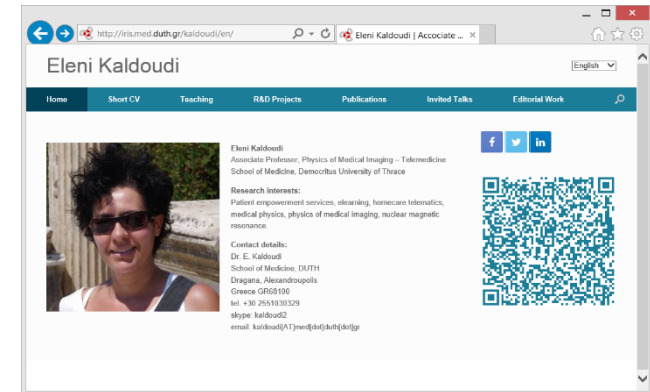


<http://iris.med.duth.gr/kaldoudi>



# Eleni Kaldoudi

- project team **member** in 24 funded projects
- project team **coordinator** in 10 funded projects
- project/technical **coordinator** in 5 funded projects
- **principal proposal writer** of 24 proposals (10:24 or 1:2.4 success rate)
- **reviewer** in national and FP7 programmes
- **EU representative** in FP7-Capacities programme (2006-2010)



<http://iris.med.duth.gr/kaldoudi>

# funding agencies ... nowadays

- EU
- national research councils and agencies
- private (not for profit) agencies, societies, etc.
- industry
  
- intra-institutional grants
  
- crowdfunding

# EU

through a series of **framework programmes**,  
each lasting for 7 years

current one is

↪ **H2020** = Horizon 2020

↪ **2014-2020**

↪ officially launched  
on **Dec 11, 2013**



# H2020 - three priorities

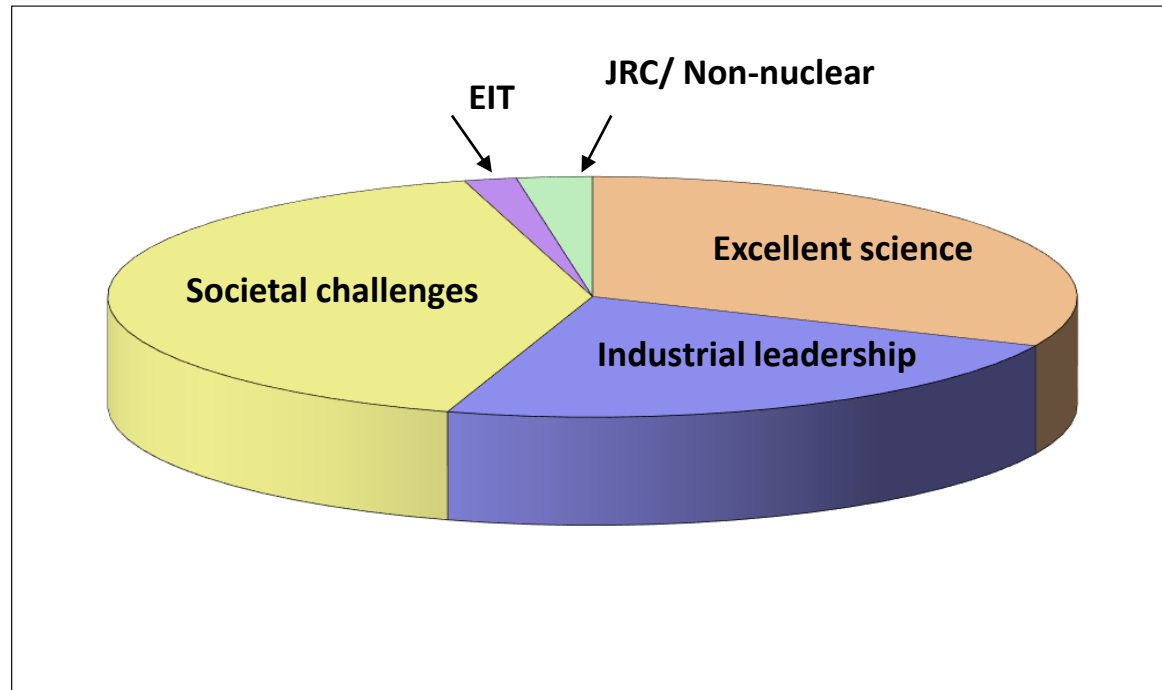
- excellent science

  - ↳ EU needs to develop, attract and retain research talent

  - ↳ researchers need infrastructures

- industrial leadership

- societal challenges





## Priority 1: Excellent Science

### European Research Council

*frontier research by the best individual teams*

13.3 Bn€

### Future and Emerging Technologies

*collaborative research to open new fields of innovation*

3.1 Bn€

### Marie Skłodowska-Curie actions

*opportunities for training and career development*

5.7 Bn€

### Research Infrastructures

*ensuring access to world-class facilities*

2.5 Bn€

## Priority 2: Industrial Leadership

### Leadership in Enabling & Industrial Technologies

ICT, nanotechnologies, materials, biotechnology, space, ...

13.7 Bn€

### Access to Risk Finance

leveraging private finance and venture capital for R&D

3.5 Bn€

### Innovation in SMEs

fostering all forms of innovation in all types of SMEs

0.6 Bn€

## Priority 3: Societal Challenges

<u>Health</u> , demographic change, wellbeing	8.0 Bn€
Food security, sustainable agriculture, marine and maritime research, <u>bioeconomy</u>	4.1 Bn€
Secure, clean and efficient <u>energy</u>	5.8 Bn€
Smart, green and integrated <u>transport</u>	6.8 Bn€
<u>Climate</u> action, <u>resource</u> efficiency & raw materials	3.2 Bn€
Inclusive, innovative and secure <u>societies</u>	3.8 Bn€

# new in H2020

- **competition** is extremely **high**:  
2-3% success rate is common, e.g. in ehealth calls
- biomedical engineering and health informatics  
**scattered** over all priority axes and challenges
- the proposal must be the answer to a **real-world problem**
- technology **readiness level** must be carefully assessed and justified
- **innovation** management should be well formulated  
(pick a credible partner to undertake it)

# new in H2020

- gender balance your team
- gender balance your research

more balance...

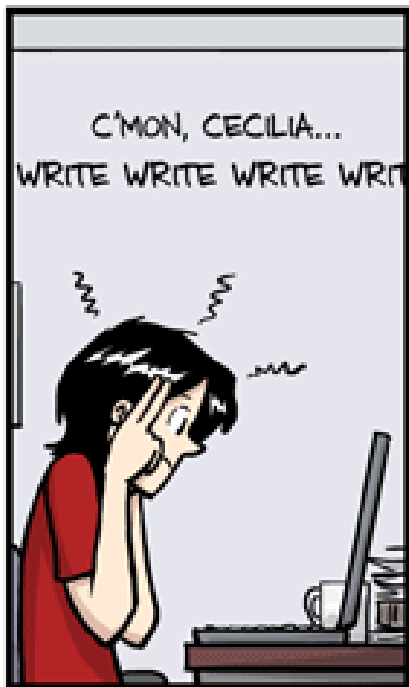
- balance your proposal sections: excellence, implementation, impact
- balance your consortium: academia, industry, society
- balance expertise: multidisciplinary collaborations are required!!!  
(including social sciences & humanities)

# as always...

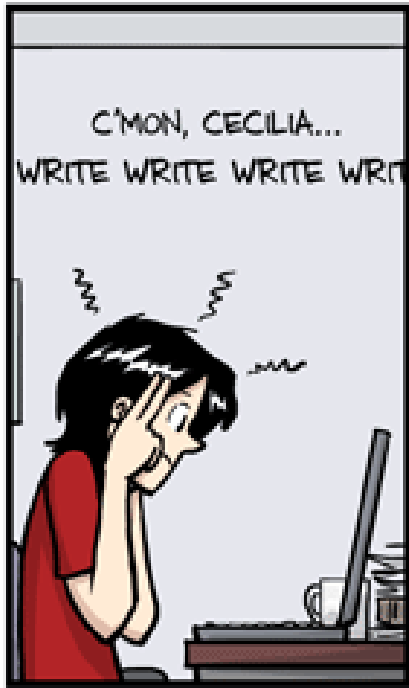
- pick a successful **idea** (to solve a real problem)
  - ↳ along your **expertise**
  - ↳ tailored to the **call**
- do **NOT reuse** ideas and especially text (unless for resubmission)
- pick partners with **expertise** required for implementing the proposal
  - ↳ choose the right partner for the proposal
  - ↳ do NOT create the proposal around the partners
- do **NOT exaggerate** on **management**
- **elaborate** on **risk management** (specific to your tasks)

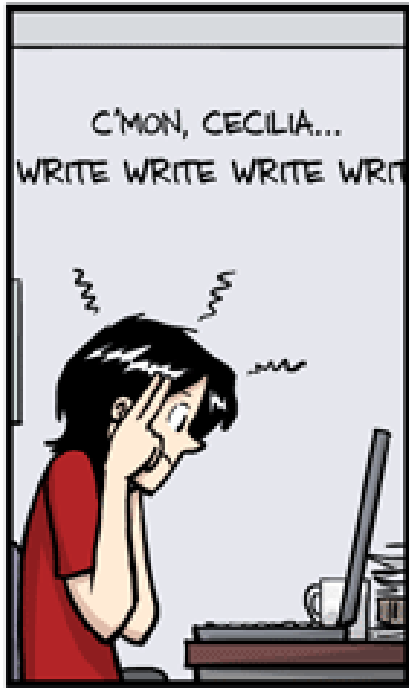
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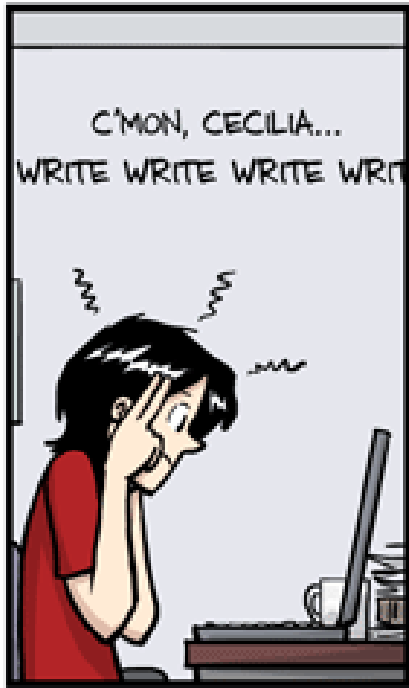






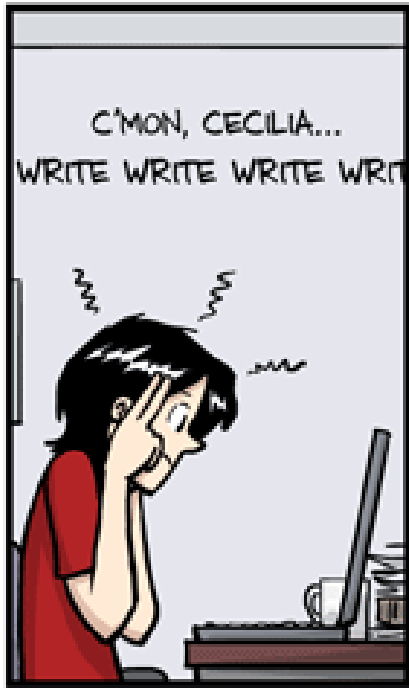


WALTER MILLER 2015



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GOOD  
LUCK!