



# Possibilities in Horizon 2020

Frode Paulsen

The Norwegian School of Veterinarian Science

&

The Norwegian Veterinary Institute



**Veterinærinstituttet**  
Norwegian Veterinary Institute



**Norges  
veterinærhøgskole**

# Horizon 2020

- About strengthening European competitiveness through research, part of EU's effort to deal with the crisis
- The world's largest programme for funding of research
- Total budget for 2014 – 2020 is €70,2B
- Remains the most open research programme in the world
- Norway is an associated member, with all rights and duties (€)
  - [http://ec.europa.eu/research/horizon2020/index\\_en.cfm](http://ec.europa.eu/research/horizon2020/index_en.cfm)
  - [http://www.forskningsradet.no/no/Horisont\\_2020/1253984457047](http://www.forskningsradet.no/no/Horisont_2020/1253984457047)



# The three H2020 pillars

## 1. Excellence in the Science Base

- European Research Council
- Marie Curie Actions
- Future and Emerging Technologies (FET)
- Research infrastructures (including e-infrastructures)

## 3. Tackling Societal Challenges

- Health, demographic change and wellbeing
- Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, resource efficiency and raw materials
- Inclusive, innovative and secure societies

## 2. Creating Industrial Leadership

- ICT, nanotech, advanced materials, biotechnology, advanced manufacturing and processing, and Space
- Support innovation for SME

# So, what's new?

- **A single programme** bringing together three separate programmes/initiatives\*
- **Coupling research to innovation** – from research to retail, all forms of innovation
- **Focus on societal challenges** facing EU society, e.g. health, clean energy and transport
- **Simplified access**, for all companies, universities, institutes in all EU countries and beyond

\* The 7<sup>th</sup> Research Framework Programme (FP7), innovation aspects of Competitiveness and Innovation Framework Programme (CIP), EU contribution to the European Institute of Innovation and Technology (EIT)

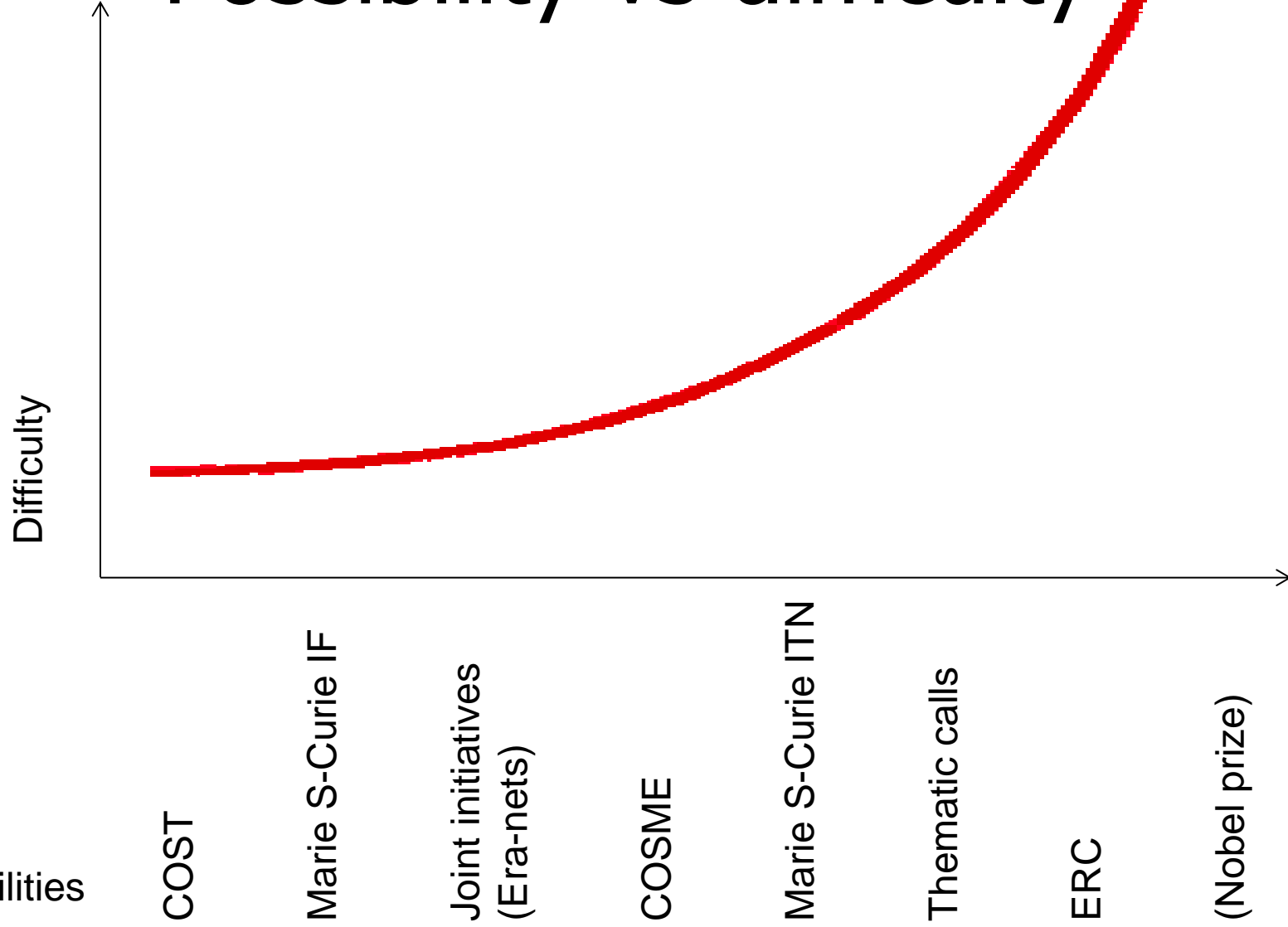
# Simplification!

- **Single set of simpler and more coherent participation rules**
- New **balance between trust and control**
- Moving from several **funding rates** for different beneficiaries and activities to just two
- Replacing the four methods to calculate overhead or «indirect costs» with a **single flat rate**
- Major simplification under the **forthcoming financial regulation**
- **Successful applicants to get working more quickly:** time-to-grant of 8 months; exceptions for the ERC and in duly justified cases



So, where do we start?

# Possibility vs difficulty



.. Possibilities

# COST



## COST Action

- At least 5 countries
- Expanding networks
- Average 20 countries
- Across 9 Domains or interdisciplinary
- Obtains funds for networking research activities



[www.cost.eu](http://www.cost.eu)

*300 running  
COST actions*

# Marie Skłodowska-Curie IF

FP7

H2020

IEF

IOF

IIF

CIG

IF

Experienced  
Researchers

Individual fellowship supporting experienced researchers undertaking mobility

MSC IF Options:

- “In” – Recruit an experienced sea lice researcher for nut-cracking at your institution
- “Out” – Go (or send somebody) somewhere else in Europe – or further away - to solve or study sea lice problems
- ... 12-24 months (+12m return period if outside Europe)

<http://ec.europa.eu/research/mariecurieactions/>





# “Joint initiatives”

- **10 Joint Programming Initiatives (JPI)**
  - JPI Oceans (Healthy and Productive Seas and Oceans)
    - No open calls, yet.
- **31+ ERA-net/ERA-net plus:**
  - Animal Health and Welfare ([www.ANIHWA.eu](http://www.ANIHWA.eu)),
    - Pre-proposal by 19. december.
  - COFASP ERA-NET: Cooperation in Fisheries, Aquaculture and Seafood Processing – [www.cofasp.eu](http://www.cofasp.eu)
    - Call to be announced later 2013, join newsletter and check out!
  - Might there be other relevant ERA-NETs?
    - Check out:  
[www.forskningsradet.no/no/Kontakter\\_for\\_norsk\\_deltagelse\\_i\\_ERANET/1253987987522](http://www.forskningsradet.no/no/Kontakter_for_norsk_deltagelse_i_ERANET/1253987987522)

# Anihwa's open call for proposals

1. Promoting research integrating animal health and welfare: development of animal-based indicators of animal health and welfare, development and implementation of new husbandry systems ensuring good health and welfare.
  2. Development of knowledge which may lead to new or improved tools for diagnosis and disease prevention, including vaccines.
  3. Improvement of preparedness for emerging and exotic diseases (including vector-borne diseases and zoonoses) by an epidemiological approach to risk pathways identification.
  4. Antimicrobial and anthelmintic resistance, and development of alternative curative and preventive therapies.
- Norway
    - Supports only 1. and 2 of the above, and:
    - “Pre-proposals within the marine sector / fisheries are not invited, unless they represent basic research with relevance also for the agricultural sector.”

# Marie Sklodowska-Curie ITN

FP7  
ITN



H2020

ITN

Early-Stage  
Researchers

European  
Commission

**Innovative networks supporting early-stage training**  
(Including *Industrial doctorates & Joint doctorates*)

MSC ITN Option:

- Initiate an international researcher school with industrial participation focusing on integrated sea lice control??

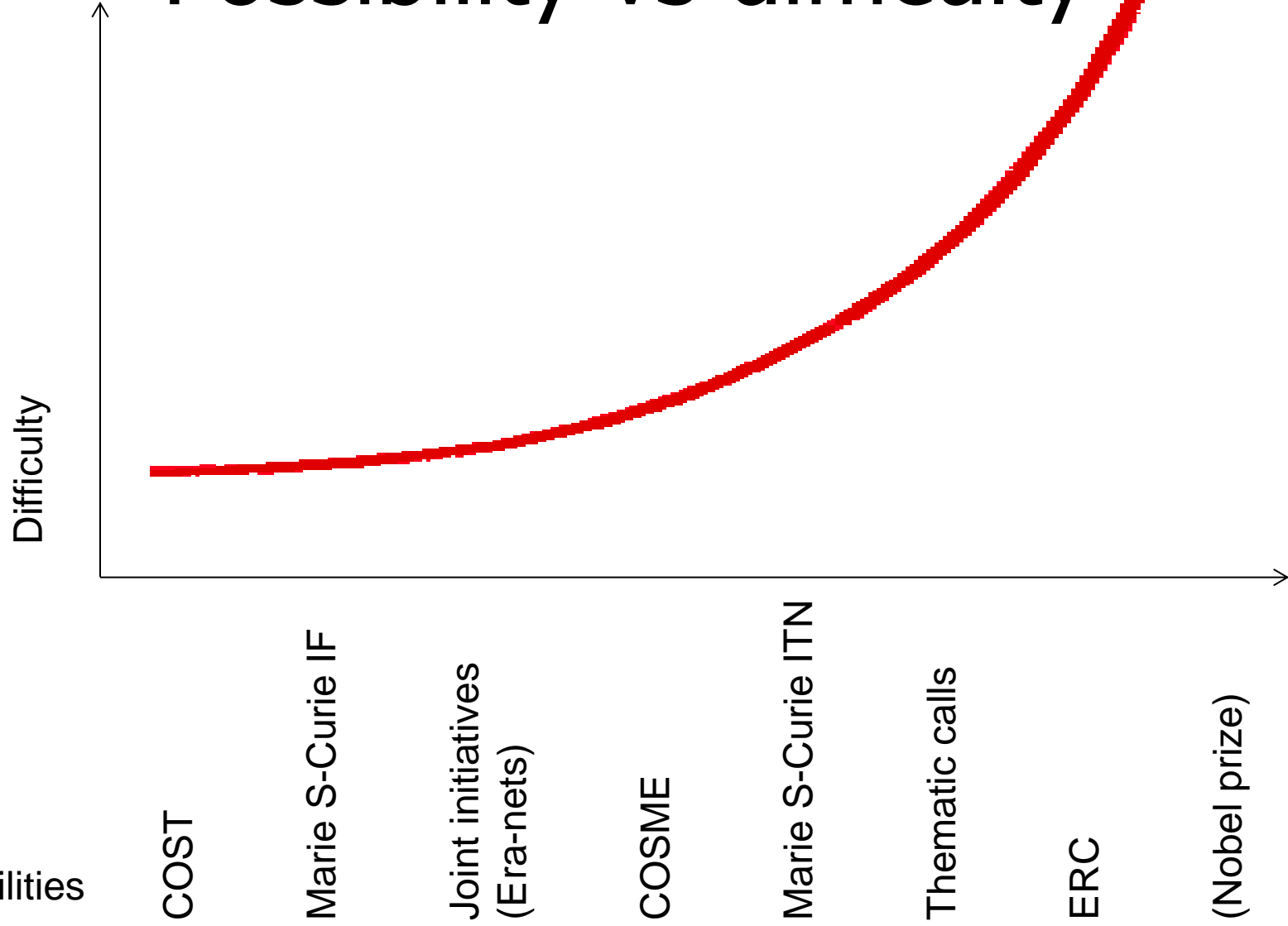
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# The thematic H2020 calls

- First call 11. December 2013, thereafter every second year
- Drafts of the work programme have been circulated, and one topic might be of particular interest to this network:
  - SFS-10-2014/2015: Tackling disease related challenges and threats faced by European farmed aquatic animals:
    - Scientific basis and tools for preventing and mitigating parasitic diseases of European farmed fish (around €7M)
- Others? Read the work programme:  
<http://ec.europa.eu/research/participants/portal>

# Possibility vs difficulty



.. Possibilities