Agenda

• Workshop framing – Marta
• NGI – Mirko
• Funding Box – Sanyu
• Hotseat...
• Funding Instruments – Mirko/Marta

• Workshop: EU Moonshot Instrument
Next Generation Internet

Research at the crucible of developments: Can NGI lead EU moonshots?

Marta Arniani
Futuribile.org
What makes the iPhone so ‘smart’?

source: Mazzucato (2013), p. 109, Fig. 13
Mission-Oriented Innovation
China leads the AI race with moonshots
Private companies specialise in moonshots

Project Loon
Balloon-Powered Internet for Everyone
We are not a totalitarian state nor a private company…

• What is an ambitious enough moonshot?
• How to ensure efficiency at all levels?
• How to generate societal impact and relevance?
• Balance between centralisation and decentralisation?
Next Generation Internet

What is it?

Mirko Presser
Associate Professor, Deputy Centre Director
Centre for Business Development
@mirkopresser
mirko.presser@btech.au.dk

Support from the European Commission’s Horizon 2020 Research and Innovation Programme, under Grant Agreement no. 780125 is gratefully acknowledged
NGI offering

• @NGI4EU

• NGI.EU
  • Newsletter
  • Consultation Platform
  • NGI MAP
  • NGI Awards
  • Events, e.g. NGI Forum

• ICT-24 2019/2020
• ICT-24 2018 open calls
PROMOTE YOUR EXCELLENCE IN NEXT GENERATION INTERNET
Next Generation Internet

• If data is the new oil you have to own the data from your people, processes and machines.

• NGI: operationalising a set of coherent centralised protocols in a fully permission less way

• The trick is to do extreme centralization on hardware, infrastructure, spectrum and security and extreme decentralization on services at the same time.
A Vision for the NGI
Timelines

1 R&I Project on Privacy and trust enhancing technologies
1 R&I Project on Decentralized data governance
1 R&I Project on Discovery and identification
Technology Strategy & Policy (1 project)
Technology Harvest & Transfer (1 project)
Outreach Office (1 project)

Call 1
Call 2
Evaluation

2018 to be defined in 2018 to be defined in 2018 to be defined in 2018

2019

2020

Marta Arniani and Mirko Presser, Bilbao, IoT Week June 2018
Some of the topics...

We need to rebuild and rethink...

I. A Sustainable Internet
II. Decentralising Power
III. Internet and Data Sovereignty
IV. Ethical AI and ML
V. A Safe, Accessible and Diverse Internet
VI. Trustworthy Online Media and Information Ecosystems
VII. Online Identities and Trust
VIII. The Right to Opt out and Self-Govern
IX. Cyber-security and Resilience

Resilient.
Trustworthy.
Sustainable.
Project submitted to EC call:
Euro 7-7.5 mil, 2-3 years,
80% for sub-grantee
Pan European
Procedures adapted to stakeholders
Run by organisations in the ecosystem

Activities include inter-alia:
• Call for & selection of top-teams
• Monitoring
• Mentoring, Coaching, Sharing
• Communications
• Community building

R&I Action:
Privacy and trust enhancing technologies

Sub-grantee:
• One legal entity with one specific project
• Young researchers from outstanding academics, hi-tech startups and SMEs
• Carry out the R&I work
• 50,000 – 200,000 Euro, 9 – 12 month
Next Generation Internet Workshop

Research at the crucible of development

Mirko Presser
Associate Professor, Deputy Centre Director
Centre for Business Development
@mirkopresser
mirko.presser@btech.au.dk
How to get Funding…

• About **80% of EU funding is granted through programmes managed in the EU countries themselves.** Where the European Commission directly manages funding, it does so by awarding grants, launching tendering procedures, etc. …

• The European Commission helps **fund projects and organisations which contribute to the implementation of EU programmes and policies.** It grants funding through calls for proposals and projects.

• To get funding for your project, you will need to **identify a relevant call for proposals/projects and carefully follow the specific guidelines on how to apply – each call is unique.** Your project will compete for funding with projects submitted by other applicants for that call.

https://ec.europa.eu/info/funding-tenders/how-eu-funding-works/how-get-funding/find-funding-opportunity_en
Research and Innovation

Research

Innovation

knowledge
Research and Innovation
Research and Innovation
Research and Innovation

Research

Innovation

knowledge
### Mapping the key factors

<table>
<thead>
<tr>
<th>Funding instruments</th>
<th>Speed</th>
<th>Cross vertical / interdisciplinary</th>
<th>Volume / coherence</th>
<th>Ownership</th>
<th>Sustainability (from vision to exploitation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SME instrument</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NGI cascade funding</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Venture capital</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>....</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>....</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>