Digital Agenda going Local, Horizon 2020 and Structural Funds

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e-infrastructure

Outline

- Digital Agenda for Europe (DAE) going Local
  - Join the initiative and become a part of the DA!

- Horizon 2020
  - New CSF programme after 2013!

- Structural Funds (SF)
  - Use the opportunity to apply for funding!

Europe 2020 Strategy

- Why Europe 2020?

  The crisis is a wake-up call, the moment where we recognise that "business as usual" would consign us to a gradual decline, to the second rank of the new global order. This is Europe's moment of truth. It is the time to be bold and ambitious.
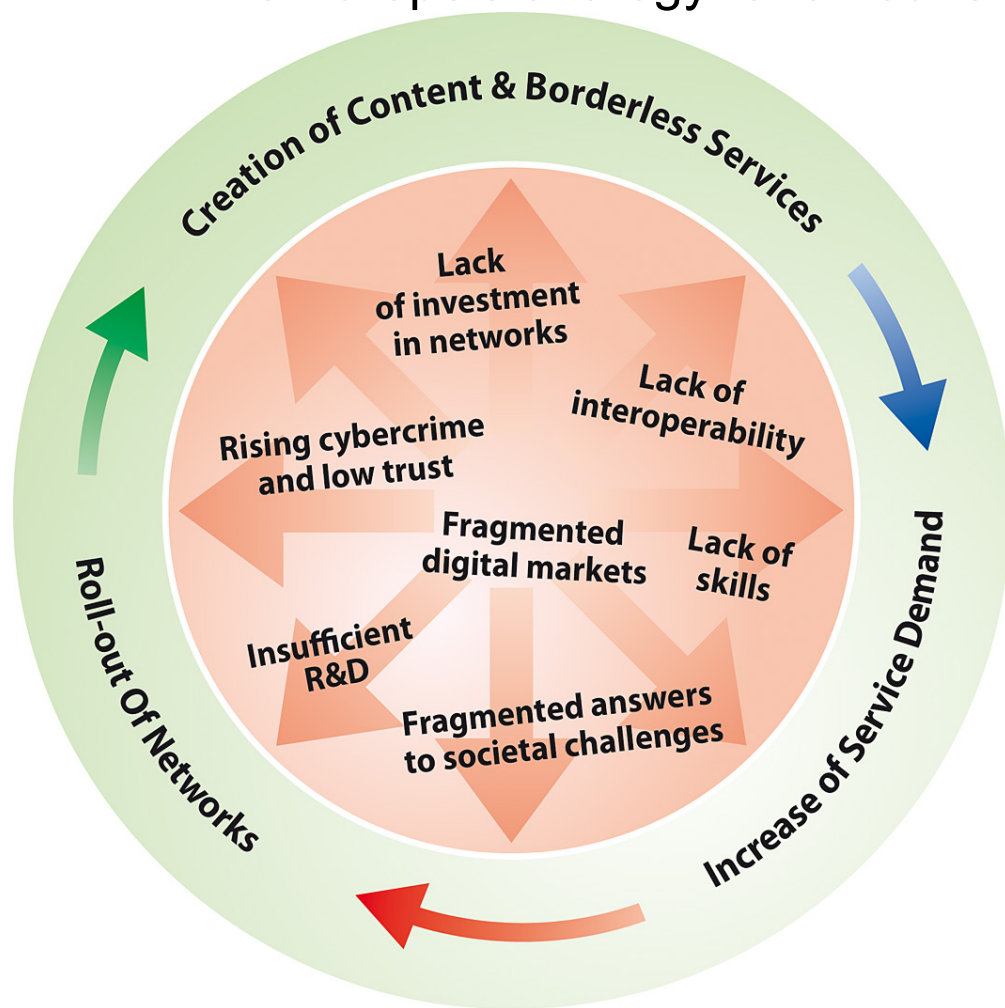
  Jose Manuel Barroso, President of the European Commission

- EU's growth strategy transforming the EU into a smart, sustainable and inclusive economy with high levels of employment, productivity and social cohesion.

- Objectives - **smart, sustainable and inclusive growth** in EU

- Headline targets **3% of GDP** invested in R&D

Smart Growth
- **Digital Agenda for Europe**
- **Innovation Union**
- Youth on the move

Sustainable Growth
- Resource efficient Europe
- An industrial policy for the globalisation era

Inclusive Gowth
- An agenda for new skills and jobs
- European platform against poverty

Digital Agenda for Europe

Innovation Union

Youth on Move

Europe 2020

An industrial policy for the globalisation era

Resource Efficient Europe

An agenda for new skills and jobs

European platform against poverty

DAE – "Every European digital"

- DAE is Europe's strategy for a flourishing digital economy by 2020

- *"The Digital Agenda for Europe outlines policies and actions to maximise the benefit of the digital revolution for all. Supporting research and innovation is a key priority of the Agenda, essential if we want to establish a flourishing digital economy."*

  Neelie Kroes, Vice-President of the EC, Digital Agenda

- *"Europe should also build its innovative advantage in key areas through reinforced e-Infrastructures (i.e. EGI, GEANT)"*

  EC Communication Digital Agenda for Europe

DAE 7 Priority Areas and 101 actions

Creating a new digital Single Market

Greater interoperability and improved ICT standardisation

Enhancing internet trust and security

Much faster internet access

More investment in cutting-edge research and innovation in ICT

Enhancing digital skills and inclusion

Applying ICT for the benefit of society(e.g. reduce energy consumption, climate change etc.)

} 101 actions

- EGI role towards Europe 2020 Report   -   http://go.egi.eu/317

- EGI DAE action list - https://wiki.egi.eu/wiki/PDT:DA

DAE – Going Local

- The European Commission is "Going Local" to all Member States, to discuss key areas of the Digital Agenda for Europe with targeted audiences.

- Events are adapted to specific priorities in Member States, focusing on country-specific issues.

- The objectives of this exercise are:
  - Reporting on progress of the Digital Agenda
  - Identifying challenges for the future
  - Stimulate actions and commitments

- **Opportunity for NGIs and other interested parties to join and participate, gain visibility for their organisation, have their voice heard, raise certain questions, talk and establish contacts with government representative and EU representatives etc.**

- Link - http://ec.europa.eu/information_society/digital-agenda/local/index_en.htm

DAE Going Local - Meetings

- In following weeks, events will be held in Bulgaria, Denmark, Czech republic, Poland, France etc.

http://ec.europa.eu/information_society/events/cf/daelocal/meetings.cfm

Digital Agenda Going Local 2011

Welcome, dear **Guest** [Log on]

Upcoming meetings

Date ⇕	Title ⇕	Country ⇕	Place ⇕
20/09/2011	Digital Agenda Going Local 2011, Oslo	Norway	
21/09/2011	Going Really Local, Toulouse	France	Toulouse
22/09/2011	Forum of Teleinformatics	Poland	Warsaw, Conference Centre "BOSS", Miedzeszyn
22/09/2011	Going Local 2011, Budapest	Hungary	Budapest
26/09/2011	Going Local 2011, Pleven	Bulgaria	Pleven
03/10/2011	Going Local 2011, Sonderborg: Digital challenges and solutions for businesses and public authorities in the border region	Denmark	Alsion, Alsion 2, 6400 Sonderborg (meeting room the "Red Box")
06/10/2011	Going Local 2011, Prague	Czech Republic	Prague
06/10/2011	Innovation for Digital Inclusion Conference	Poland	Gdansk
10/10/2011	Going Really Local, Issy-les-Moulineaux	France	Issy-les-Moulineaux
11/10/2011	Going Local 2011, Brussels	Belgium	SPF Economie, Classes moyennes et Energie, Rue du Progrès 50, 1210 Bruxelles
12/10/2011	Going Local 2011, Aarhus: Innovation and growth using new technology	Denmark	Katrinebjerg, Aarhus
13/10/2011	Going Local 2011, Riga	Latvia	Riga
20/10/2011	Going Local 2011, Helsinki	Finland	Helsinki
20/10/2011	Going Local 2011, Cardiff	United Kingdom	Cardiff
24/10/2011	Going Really Local, London	United Kingdom	London
24/10/2011	Going Local 2011, Dublin	Ireland	Dublin
25/10/2011	Going Local 2011, London	United Kingdom	London
09/11/2011	Going Really Local, Niedersachsen	Germany	Townhall of Osterholz Scharmbeck
09/11/2011	Going Local 2011, Stockholm	Sweden	Stockholm
10/11/2011	Going Really Local, Örebro	Sweden	Örebro
10/11/2011	Going Local 2011, Karlstad	Sweden	Karlstad
10/11/2011	Going Local 2011, Berlin	Germany	Berlin
17/11/2011	Going Local 2011, Scheveningen	Netherlands	Scheveningen

What will happen after 2013?

- New Framework Programme for Research and Innovation – Horizon 2020
- http://go.egi.eu/horizon-2020

- The Green Paper "Towards a CSF for EU Research and Innovation funding" (2011) stimulated debate and launched a process of public consultation
  http://go.egi.eu/csf-green-paper

- EGI.eu submitted a position paper on behalf of EGI along with a set of suggestions:
  - Support the closer integration of different e-Infrastructure providers in order to provide a coherent technical and policy structure, and integrated services to end-users.
  - Support the direct engagement between end-users and e-Infrastructure providers to develop new innovative services and applications, provision of a user-driven e-Infrastructure through service charging.
  - Reinforce the existence and importance of the top-level legal entities governing European e-Infrastructures
  - Affirm a clear commitment by the EC at both a policy and a technical level for the long-term development of open standards for e-Infrastructures in Europe

  http://go.egi.eu/csf-egi-position-paper

FP7

EIT- European Institution for Technology

CIP – Competetivness and Inovation Framework Programme

CSF – Horizon 2020

+ improve compliance with Structural Funds

- The European Framework Programme for **2014-2020**

- Good opportunity to launch new ideas, new challenges and new collaboration frameworks

- Research Infrastructures (RIs) and e-Infrastructures as key elements for excellence in the Science base

Horizon 2020 budget figures

- Time frame: 2014-2020

- Proposed amount: **EUR 80 billion**

- **46% increase** compared to current period (2007-2013)

- Share of research and innovation in EU Budget **increases to 8.5%** in 2020

Shift towards simplification, integration and standardisation

2007-2013

- different priorities in each programme and initiative
- gaps between the stages (R&D, demonstration, market take up, etc)
- strong focus on RTD
- a large variety of funding schemes within and between programmes
- different rules in each programme and initiative
- multiple websites, guidance documents, applications

2014-2020

- common strategic priorities, focusing on societal challenges, competitiveness and research excellence
- coherent support for projects and organisations across the innovation cycle from research to retail
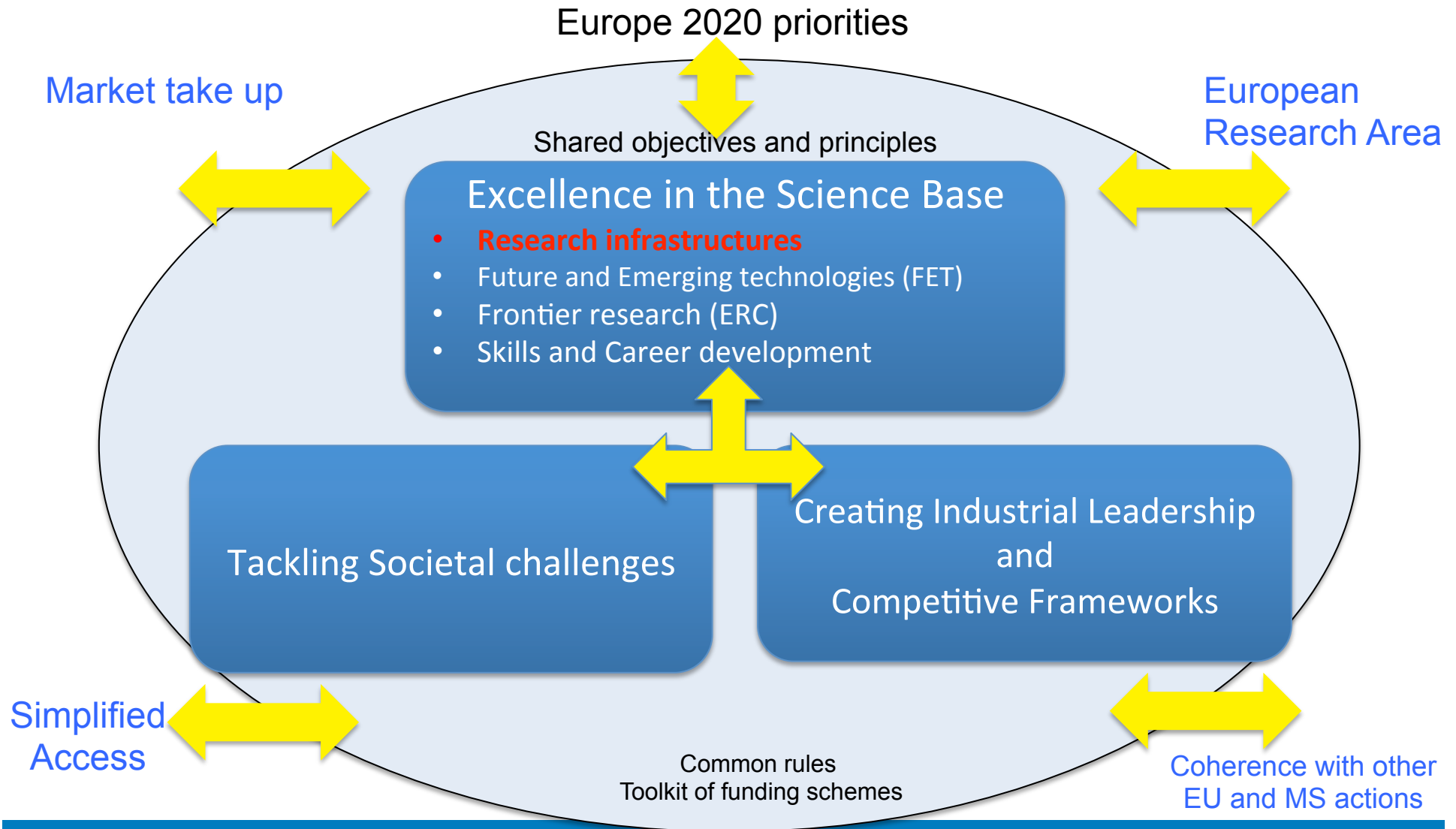- stronger support for innovation, including non-technological innovation and market take up
- a rationalised toolkit of funding schemes across the CSF
- more standardised rules across all initiatives
- common entry point, one stop shop, common IT platform

Key feature

- Clear set of objectives **based on Europe 2020** and Innovation Union

- All stages in the innovation chain should be supported, with more attention for close to **the market activities**.

- **More openness and flexibility** needed, less prescriptive calls, better use of bottom-up instruments,

- Simpler funding landscape for research and innovation **with common rules** and funding schemes

- Negotiation and selection phases will be much **shorter**

- **Single audit approach** across Horizon 2020

Europe 2020 priorities

Market take up

European Research Area

Shared objectives and principles

Excellence in the Science Base

- **Research infrastructures**
- Future and Emerging technologies (FET)
- Frontier research (ERC)
- Skills and Career development

Tackling Societal challenges

Creating Industrial Leadership and Competitive Frameworks

Simplified Access

Common rules
Toolkit of funding schemes

Coherence with other EU and MS actions

Horizon 2020 and e-Infrastructures

- Horizon 2020 steady focus on European Research and Technological Development (RTD), it will concentrate more on **stronger support for innovation, including non-technological innovation and market take up.**

- EGI.eu participated on Consultation workshop for research infrastructures
http://go.egi.eu/horizon-2020-workshop

- Through Horizon 2020, the EC plans to:
  - support the coordination of e-Infrastructures at an EU level to provide seamless services (including international cooperation) since they are seen as **critical infrastructures for e-science and open access to scientific data.**
  - subsidise distributed infrastructure coordination that provides added European value and the continuous support of upgrading e-Infrastructures and **further federation of national efforts**.
  - e-Infrastructures **as knowledge and innovation enablers for RIs (including ESFRI projects)** across disciplinary, geographic and administrative boundaries fostering the development of genuine pan-European infrastructures.

- The most important aspects of e-Infrastructure are the development of **innovative services, digital curation, open access, interoperability and a stronger user-centric approach**

Steps forward for RI and e-Infrastructures

- Improving the relationship between users and service providers
- Addressing underdevelopment of the data layer of e-Infrastructures
- Reducing the distance between Research Infrastructures and e-Infrastructures
- Addressing the lack of awareness for the fundamental role of data and interoperability
- Leveraging activities and services beyond research and including communication, education and training as part of all e-Infrastructures initiatives
- Enhancing the dialogue with industry (especially SMEs) in order to foster knowledge and technology transfer, both as a supplier and as user
- Combining top-down, policy-driven approaches with a bottom–up approach to identify innovation opportunities and new needs and communities
- Broaden the role of e-Infrastructures beyond research to other areas, for example transport, government, energy and health
- Tackle environmental ICT issues

Horizon 2020: e-Infrastructures and ESFRI

- Closer cooperation between the Directorate General (DG) for Information Society and Media (the funding source for e-Infrastructure projects) and the DG for Research and Infrastructure (the funding source for ESFRI projects).

- Durable connection between e-Infrastructures and ESFRI projects that will result in increased mutual benefits.

- Gaining momentum and a strong element of continuity in **collaboration between EGI and ESFRI projects** will lead to stronger links between e-Infrastructures and emerging Virtual Research Communities (VRCs).

- Ideally, every ESFRI infrastructure should eventually become part of the discipline-specific VRC.

Horizon 2020 and EGI

The implementation of the upcoming "Horizon 2020" for Research and Innovation will be of crucial importance in **defining the future funding environment of EGI and ensuring its sustainability.**

Horizon 2020 Next steps

- **Commission proposal** for Horizon 2020 before the end of 2011

- **Legislative decisions** on Horizon 2020 by the Council and European Parliament during 2012 and 2013

- Horizon 2020 **starting from 2014**

- **expecting 1st call of proposals in Autumn 2013**

Structural Funds (2014-2020) changes?

- *"We need to spend more intelligently, focus on the EU's top priorities and add visible value to what national and regional authorities are already doing"*

  Johannes Hahn, EC Commissioner for Regional Policy

- Structural Funds are one of the financial tools set up to implement the Cohesion policy by the EC http://go.egi.eu/cohesion-policy

- **Major changes** for SF (2014-2020):
  – Linking allocation of funds to the Europe 2020 objectives
  – Inviting member states to sign partnership contracts
  – Focusing resources on a small number of priorities

Structural Funds (SF) and Europe 2020

- **Digital Agenda for Europe and Innovation Union** - opportunity for the EGI community to play an important role in achieving some of the key objectives defined in this strategy and to benefit from it.

- **Action 55 of the DAE** states that Member States should double the annual public spending on ICT research and development. By increasing the use of structural & regional development funds for ICT research facilities, and development projects on ICT products, services and applications.

- **Commitments 24 and 25 of Innovation Union** are related to SF:
  - Member States should considerably improve their use of existing Structural Funds for research & innovation projects
  - Member States should initiate the preparation of post 2013 Structural Fund programmes with an increased focus on innovation and smart specialisation

- On consultation workshop on the possible content of "Horizon 2020" the EC representative stated it would use SF for research and innovation to:
  - develop world-class research and ICT infrastructures;
  - establish networks of research facilities;
  - develop regional partner facilities.

Applying for SF

- Organisations from the EU MS **eligible** for funding include public bodies, some private sector organisations (especially small businesses), universities, research institutes, NGOs and voluntary organisations.

- Requirement to **submit project proposals** for approval

- EU Member States **managing authority** responsible for selecting projects and monitoring their implementation

- **National contacts** http://go.egi.eu/sf-national-contacts

- **The application process** http://go.egi.eu/sf-how-to-apply

- **List of funded RTD projects** http://go.egi.eu/sf-rtd-projects

NGI Sustainability

- SF of crucial importance **in defining the future funding environment of NGIs and their sustainability**

- In a period of financial constraints on public funding from national governments, it is important for NGIs **to establish relationship with the SF managing authorities** in order to fully utilise opportunities

- The potential introduction of SF as a possible revenue stream to develop an **NGI's business model** highlights how the **future sustainability** lays in the **diversity of funding** (SF programme, EC project funding, service charging, etc.)

- The important event is the **EGI Sustainability and Business workshop** is this afternoon http://go.egi.eu/egitf11-sustainability-workshop

Thank you for your attention!

Questions?

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