



NGN x NGN

NEW GENERATION NETWORK FOR NEW GOVERNANCE NETWORK

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PRESENTATION

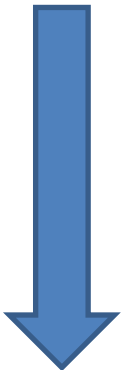
Ires experience in providing scientific support to Public Administration shows that an increasingly wider gap exists between innovation and capability of the societal actors (firms, local Government, ...) to get hold of it



There is a need of **creating a more appreciative environment** in which innovation can be really leveraged in a more timely and effectively way

We do not know yet what the expected features of such an environment should/would be (ontological uncertainties!!), but we strongly believe that:

- a) ICT networks will play a crucial role;
- b) information prone and socially concerned human organizations have a responsibility in shaping those futures;
- c) we have a legacy to future generations.



That's why we propose to address the issues of **co-evolutive development of New Generation Network (broadband and ICT) and the New Governance Network**

AMBITION :

make them play together

1) Knowledge augmentation, by enhancing human organization capability, connecting: a) scientific knowledge (understanding of phenomena); b) folk knowledge; c) action-oriented knowledge (i.e. for policy making)

2) Targeted expectations:

- at European level: suitable environments for the richest FET projects capitalization
- at regional governmental level: more effective regional strategies, where science and innovation are foundational to the regional developmental policies
- easier connections between the above levels: interdependence and spill-over



3) To create the NGNxNGN, as a(n emergent) phenomenon through a federation process:

- engagement in supporting and maintaining NGNxNGN by regional strategies
- appointing a shared design to guide the networking process

4) NGNxNGN Renewability and scalability :

- anchored at the local level
- while deploying itself, at higher level (regional, national, European, world-wide)

Today there is a viscosity in the transfer of research products and scientific thinking into practical life.

IMPACT

Type and extension of NGNxNGN in affecting the long-run European system competitiveness will depend on the inter-connections among the 4 above mentioned “players”

Issues for which NGNxNGN will be relevant:

- improvement of the overall system productivity
- increasing the variety of existing opportunities (the resource challenge)
- creating novel system functionalities

Expected general impact of the NGNxNGN:

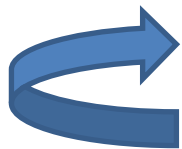
- to strengthen the social capability to use and get advantages of the future emerging and scientific technologies at different societal levels
- to contribute to establish a more competitive European civil society
- to shorten the time of FET projects to society

INTEGRATION: the necessary conditions for NGNxNGN

The challenge is to create a formal multidisciplinary group able **to really produce** a scientifically sound and socially viable shared design. The **research agenda** entails to address the following:

- What are the **features of an appreciative setting** for the development of more effective regional strategies where science and innovation are foundational to the policies?;
- How can we identify the **already existing kernels** for this setting ?
- How **the regional relevant actors can be engaged** to leverage the kernels' growth and establishment ?

Methods aimed at creating a federation process (networking of the different actors and appointing of the shared design to steer the overall networking process itself), though Complexity Science (model building activity and applications)



Expertise/Experiences covering all the societal sectors:

- technical sciences (ICTs, computational engineers)
- humanities (social, economic, geographic.. sciences)
- institutions (governmental bodies at different levels)

PLAUSIBILITY

NGNxNGN is not only a vision: it is a socially agreed engagement by means of which science can be a primary source for establishing more societal viable of human organizations



Involvement of research centres, enterprises, social institutions, and regional (national) agencies dealing with ICT infrastructures, innovation and ICT-laden socioeconomic opportunities

Milestones for a **NGNxNGN feasibility project**

Year 1: Federating the regions (actors) and identifying their NGNxNGN profile: recognition of the kernel components by the appropriate investigation methodologies and approaches

Year 2: Pointing out the targeted expectations, the individual roadmap for each regional system, developing the shared design

Year 3/4: Pilot application in each region (country) (engaging the relevant actors)

Year 4: NGNxNGN evaluation of the pilot experiences and European guidelines. Capitalization of the project for the establishment of NGNxNGN in the regional systems

Regione Piemonte, Fundacio Observatori per a la Societat de la Informacio de Catalunya, AE Bucarest, Region of Crete, University of Crete, the network of the Italian regional research institutes, private companies dealing with ICTs.

BACKING

