http://www.flickr.com/photos/oii/5008082284/

Knetworks
Dissemination and Network of Knowledge in Atlantic Area

http://fineartamerica.com/featured/oxford-internet-institute-carl-purcell.html

Ongoing activities

http://www.flickr.com/photos/oii/998889158/in/photostream/lightbox/

three main activities

networking   researching   communicating

http://www.flickr.com/photos/beglen/152042950/lightbox/

networking

SESERV: **University of Zürich** – Switzerland; **University of Southampton** - U.K; **Athens University of Economics and Business Research Center** – Greece; **Alcatel Lucent Bell Labs** – France and **ATOS Origin** – Spain.

Socio-Economic Services for European Research Projects (SESERV)

European Seventh Framework Project FP7-2010-ICT-258138-CSA

📌 The Management Center for the Electronic Government Network in Portugal, CNEL/PT
R. da Horta Seca 15. 1200 Lisboa, Portugalhttp://www.planotecnologico.pt

📌 Oxford Internet Institute (OII)

📌 Cardiff University
http://www.cardiff.ac.ukCardiff CF10 3United Kindom

📌 Université de Toulouse II-Le Mirail

📌 Fundación Universidad da Coruña
Fundación Universidad da Coruña - FUAChttp://www.fundacion.udc.es/Paseo de la Ronda, 47 15011 A Coruña, España

📌 Universidad de Cantabria
39005 Santander, España http://www.unican.es

📌 Ceger - Centro de Gestão da Rede Informática do Governo
R. Almeida Brandão 71200 Lisboa, Portugalhttp://www.ceger.gov.pt

European Commission
Information Society
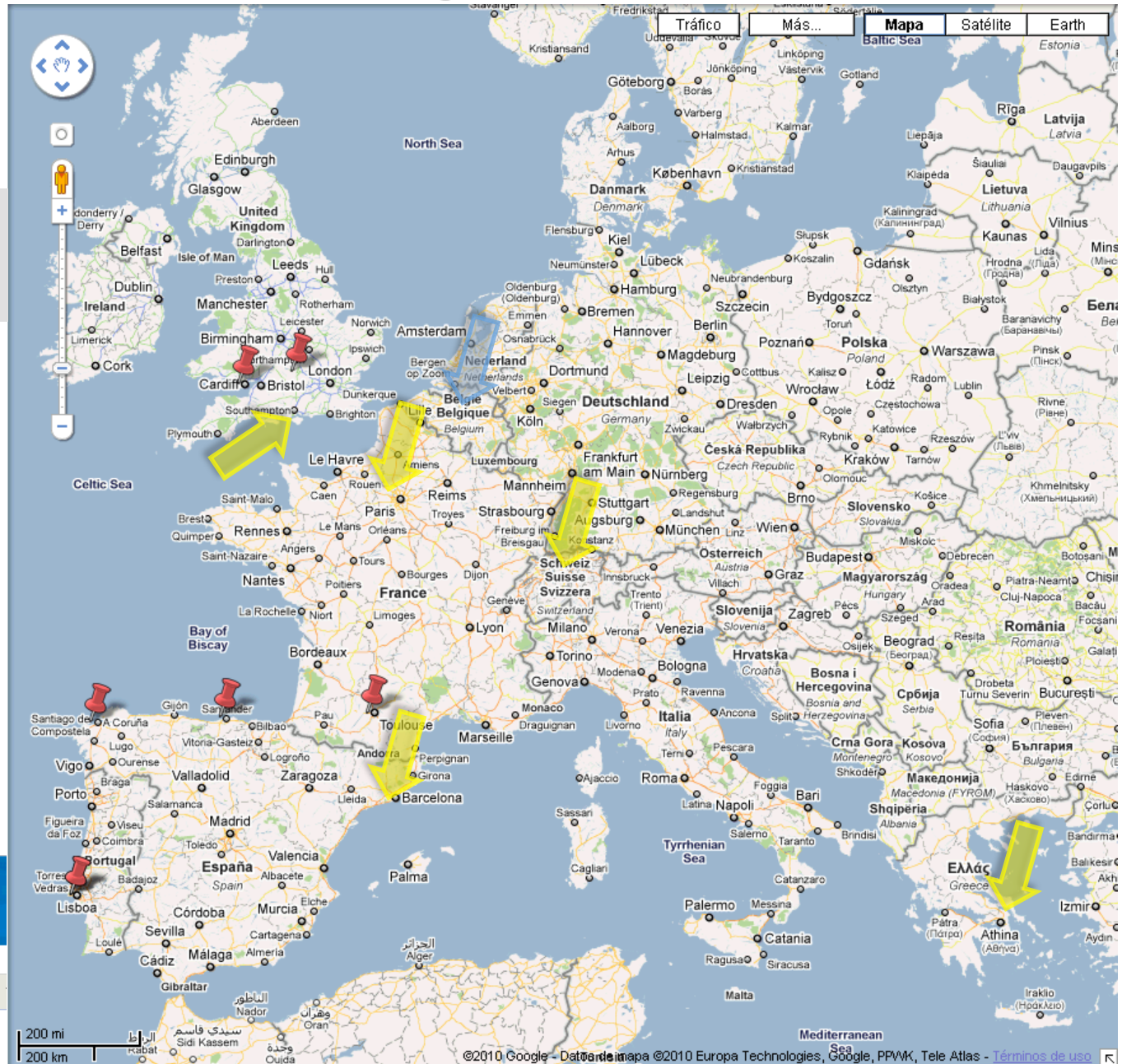
ICT 2010: HOME   CONFERENCE

Brussels Expo
27-29 September 2010

ICT 2010

Meta-Network/hub of networks: creation of a meta-network (network of networks).

SESERV: **University of Zürich –** Switzerland; **University of Southampton - U.K; Athens University of Economics and Business Research Center –** Greece; **Alcatel Lucent Bell Labs –** France and **ATOS Origin –** Spain.

Socio-Economic Services for European Research Projects (SESERV)
*European Seventh Framework Project FP7-2010-ICT-258138-CSA*

- Co-organize an **Open Workshop (06.2011) at the OII** involving stakeholders form different disciplines and areas (companies, universities and government) to **analyze the social and economical impact of the Internet and the digital technologies in the life of citizens**.
- **Explore how to facilitate the exchange of knowledge** ("best practice") in the framework of the future of the Internet.
- **Integrate all the Knetworks partners** in fields like: ICT, R&D, public policy, social science and economics among other disciplines.

European Commission
Information Society
ICT 2010: HOME   CONFERENCE
Brussels Expo
27-29 September 2010   ICT 2010 ::

HUB of Networks: The information presented during that meeting provides strategic information for the design of the "**European Knowledge Centre**" in areas like: networking opportunities where researchers, potential business partners and investors can meet; digital society; e-government; content and knowledge exchange; e-learning, among others.
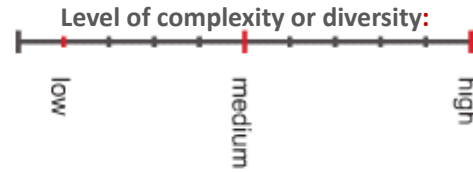
researching
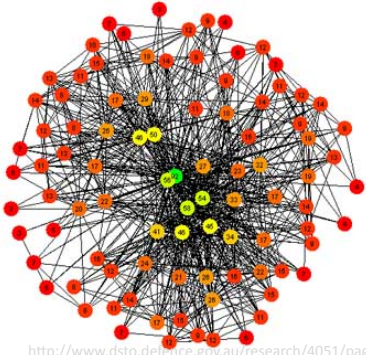
Networks :
flexibility (changing environments),
scalability (expanding or shrinking) and
survivability (resisting attacks on nodes).

1. A **theoretical review** of networks of collaboration and knowledge exchange has been done to identify/categorize relevant **patterns that characterize the structure of networks**.

2. Analysis of **scientific papers** that studied **networks of academic collaboration** supported by distributed **problem solving, open innovation**, on line information exchange and/or computer mediated communication.

3. Based on the work of Schenk (in Bienzle, H. et al. 2007) **three main dimensions** have been prioritized to study the social networks of collaboration: the **relational**, the **functional** and the **structural**.

4. Based on the referred bibliography and in order to operationalize the chosen dimensions we elaborate **a list of qualitative variables and attributes that compose each one of these dimensions**.

5. This elemental but flexible analytical structure allows us to **compare and better understand the strengths and weakness of different networks of collaboration**. In addition, based on this taxonomy is possible to **develop qualitative and comparative analysis** of different collaborative networks.

researching

Level of complexity or diversity:

low — medium — high

Relational

a) Mode of Interaction
High: mixed-synchrony & asynchrony.
Medium: computer mediated communication.
Low: face to face.

b) Degree of Interactions
High: Crowd.
Medium: partners or stakeholders.
Low: One to one.

c) Frequency of Interactions
High: Always.
Medium: Constantly.
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d) Academy & Industry
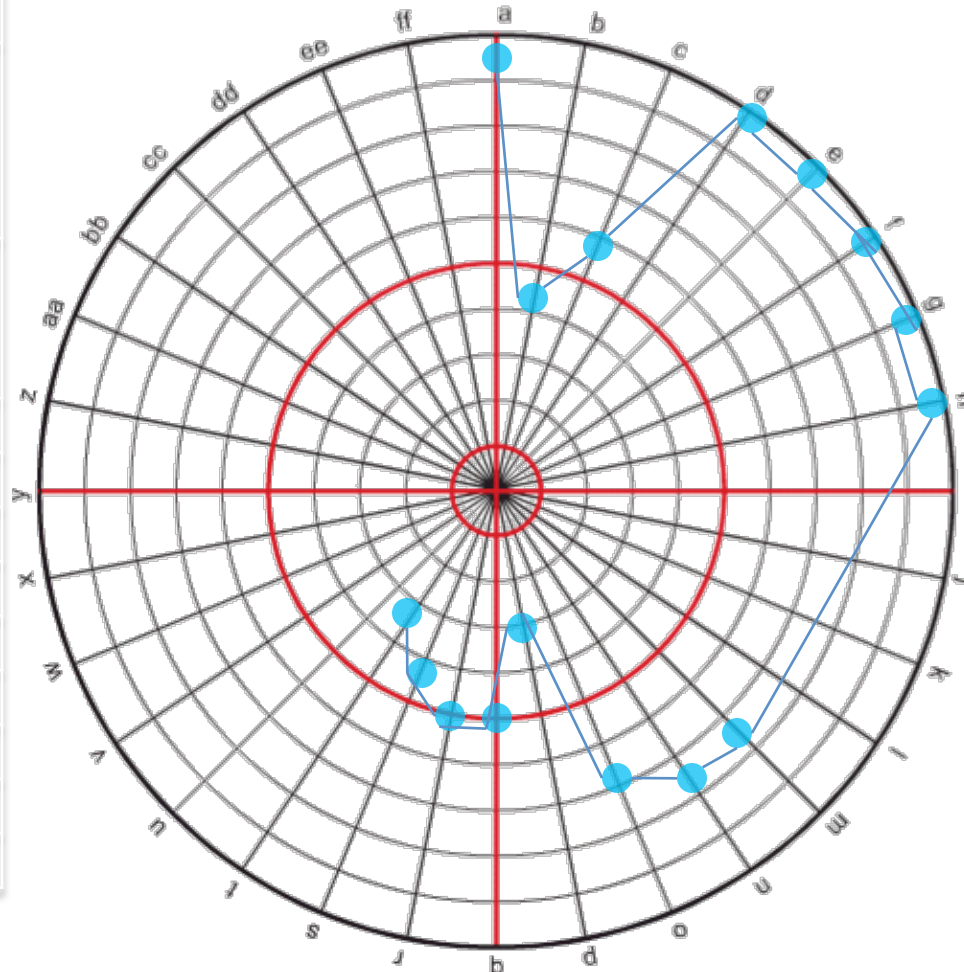
e) Academy & Academy

f) Academy & Government

g) Government & Industry

h) Industry & Industry

i) Government & Government

j) Civil Society & Civil Society

k) Civil Society & Government

l) Civil Society & Academy

Functional:

m) Dimension of the problem
High: macro.
Medium: medium-scale.
Low: micro.

n) Nature of the problem
High: ill-structured.
Medium: semi-structured.
Low: well-structured.

o) Applicability of the solution
High: long-term.
Medium: middle-term.
Low: short term.

p) Nature of the solution
High: radical (discontinuous).
Medium: middle-term.
Low: incremental (continuous).

q) Tiers of the Intervention
High: consistently effective.
Medium: variable effectiveness.
Low: little or no effect.

Structural:

r) Architecture
High: totally distributed.
Medium: horizontal.
Low: hierarchical.

s) Flow of information
High: open.
Medium: partially open.
Low: closed (non-public).

t) Type of collaboration
High: informal.
Medium: hybrid.
Low: formal.

Case: KNetwork

diffusion and communication

Social Network Content Manager:
grou.ps/knetworks

A platform and a collection of online services to facilitate the networking have been created. It is expected that these tools will contribute to the diffusion of the activities as well as the interaction and exchange of information among the partners.

Facebook Page:
http://www.facebook.com/pages/Oxford-United-Kingdom/Knetworks-EU/143452505679055

•**Facebook Group:**
http://www.facebook.com/group.php?gid=138225986213001

Micro Blogging in Twitter:
twitter.com/KnetworkEU
Twitter is a rich source of instantly updated information. Relevant information, news and resources are shared through this link.

Five key questions about the Knetwork project

http://tiny.cc/kanetworks

Advanced Knowledge Networks Beyond the Atlantic Area
networks of collaboration and knowledge exchange

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flexibility (changing environments),
scalability (expanding or shrinking) and
survivability (resisting attacks on nodes).

http://www.dsto.science.gov.au/research/4051/page/4402/

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Castells, M. (2000). "Toward a sociology of the network society." *Contemporary Sociology*: 693–699.

Schenk, Michael (1995): Soziale Netzwerke und Massenmedien. Untersuchungen zum Einfluß der persönlichen Kommunikation. Tübingen

Structural

Density and diversity of the network and its actors; potential members; existence of bridges, centres, peripheral or isolated actors; intercultural multiplexity (multiple but also complex structures), geographical distance, process-orientation.
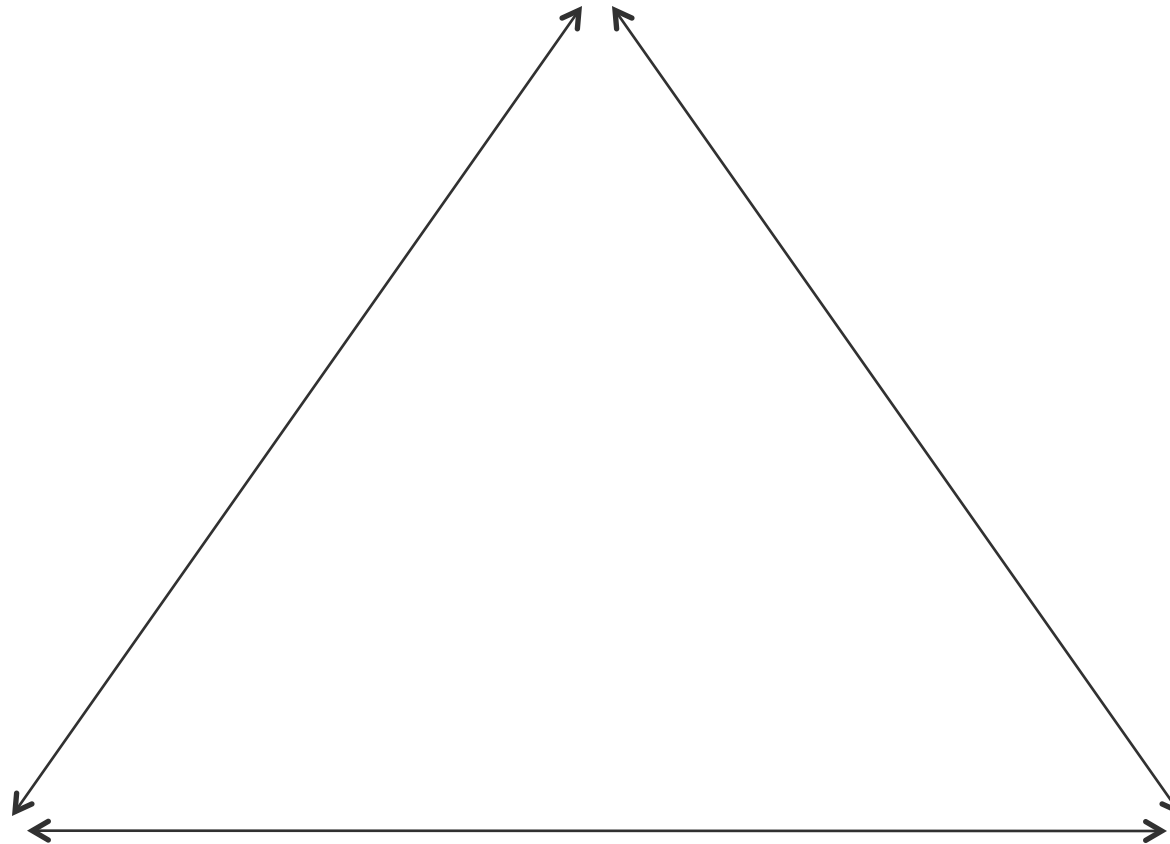
Functional

Exchange of resources; role of communication; job relief; nature of support; available help or assistance; value and norm-orientation.

Relational

Reciprocity; diversity of the content of ties; homogeneity or heterogeneity; strong or weak commitments; latent and current ties; intensity (frequency of contact); duration (stability); access opportunities linked to ties; communication channels; roles, etc.

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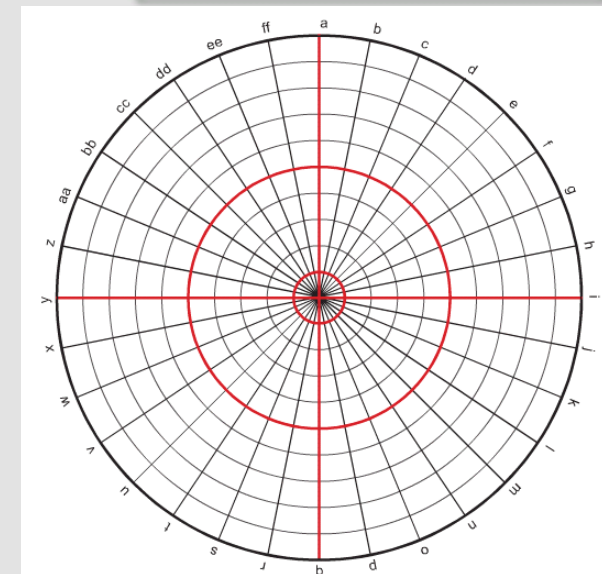Low: little or no effect.

Structural:

r) Architecture
High: totally distributed.
Medium: horizontal.
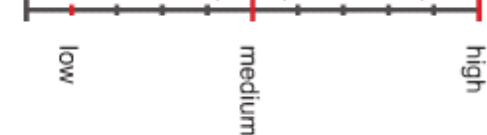Low: hierarchical.

s) Flow of information
High: open.
Medium: partially open.
Low: closed (non-public).

t) Type of collaboration
High: informal.
Medium: hybrid.
Low: formal.

Level of complexity or diversity:

low — medium — high

For a more detailed diagram and explanation of the structure of a network of collaboration and the referred dimensions, please click here http://www.spicynodes.org/a/026bf5b799f43ec8fb18cbd4d87fd184

http://tiny.cc/net-structure

ocwconsortium.org

ted.com

openlivinglabs.eu

OpenCourseWare Consortium (OCW-C) is a free & open digital publication of university educational materials organized as courses. [8 EU countries: 55 institutions].

- **Sharing educational materials** with the world.
- Video, recordings, materials developed for internet learning.
- **Course planning** doc., thematic content, learning activities & evaluation instruments.
- **Connects its members** with a **broader network of OER** practitioners.
- ~**250 members** | ~100 live OCW sites | ~13,000 courses.
- **Increased faculty engagement** and global knowledge generation.
- **Promotes the development of open education** projects and the dissemination of knowledge.
- **Openly licensed** for distribution, re-use and modification, available to all on the internet.
- The **annual membership** fees for Corporate Members is $1,000 USD.

1 M visit per month + 7 M pages visited (average). "40% of MIT faculty using MIT OCW reported that the site is a helpful tool in revising/ updating courses, and 38% use the site for advising students. MIT's OCW increased the interest of potential students to apply for MIT, and helped students at their school in both advising, and course work."

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h) Industry & Industry

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k) Civil Society & Government

l) Civil Society & Academy

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Case: OpenCourseWare Consortium

The annual TED - Technology Entertainment and Design - conferences bring together the world's most fascinating thinkers and doers, challenged to give the talk of their lives (in 18 minutes).

- Promote powerful **ideas** to **change** attitudes, lives and ultimately, the **world**.
- It includes a **wide scope of disciplines**: technology, entertainment, design, the sciences, the humanities, the arts, NGOs, business, global issues, ...
- Attending **($3,750)** (1984. 1990 ~   ).
- Become **known world-wide** when TED offered free online access to their talks.
- Free viewing online, under a **Creative Commons** license.
- Website, **YouTube (50 M),** iTunes and a free iPhone app.
- TED includes the award-winning **TEDTalks video** site, the Open **Translation** Project (50 languages) and **Open TV Project**, **TED Fellows** and **TEDx programs**, and the annual **TED Prize**.
- TEDx enables schools, businesses, libraries to enjoy this experience.
- **750 TED Talks** (60 countries, **18 EU with 100 TEDx Talks**).

Austria
TEDxSalzburg · 10/1/10
TEDxVienna — TBD

Belgium
TEDxBrussels · 12/6/2010
TEDxFlanders — TBD
TEDxKids@Brussels — 5/6/2011

Czech Republic
TEDxBrno — 10/7/2010
TEDxNamesti · TBD
TEDxOstrava — TBD
TEDxPrague — 11/20/2010

Denmark
TEDxCopenhagen — TBD
TEDxKatrinebjerg · TBD

France
TEDxAlsace — Facebook · 10/2/2010
TEDxBasqueCountry · Facebook · 11/13/2010
TEDxKids@Paris — TBD
TEDxMediterranean — Facebook · 10/1/2010
TEDxParis — 1/15/2011
TEDxParisUniversités — Facebook · 10/16/2010

Germany
TEDxBerlin — 11/15/2010
TEDxKoeln — TBD
TEDxMunich — TBD
TEDxRheinMain · 02/02/2011
TEDxRheinNeckar — Facebook · 10/23/2010
TEDxYouth@Berlin — 11/14/2010

Greece
TEDxAcademy — 10/4/2010
TEDxAthens — 11/26/2010

Hungary
TEDxBudapest · Facebook · TBD
TEDxDanubia · 9/24/2010
TEDxYouth@Budapest — 11/20/2010

Italy
TEDxLakeComo — 11/6/2010
TEDxLombardia — 10/20/2010
TEDxMilano · TBD
TEDxTorino · TBD
TEDxYouth@Brera — 11/20/2010

Lithuania
TEDxKMU — 11/3/2010

Poland
TEDxKraków · Facebook — 10/15/2010
TEDxLodz — 2/18/2011

Portugal
TEDxAveiro — 5/28/2011
TEDxCoimbra — Facebook · 10/16/2010
TEDxCovilhã — 5/28/2011
TEDxEspinho — TBD
TEDxGuimarães — TBD
TEDxISTTagus — 7/10/2010
TEDxJovem@Óbidos · 6/1/2011
TEDxO'Porto — 3/21/2011
TEDxYouth@Aveiro — 11/20/2010
TEDxYouth@Lisboa ·11/20/2010
TEDxYouth@Óbidos · 6/1/2011
TEDxYouth@Porto — 11/20/2010

Slovenia
TEDxAdria · TBD
TEDxLjubljana — Facebook · 10/24/2010
TEDxMaribor · 1/28/2011

Spain
TEDxALC — 1/31/2011
TEDxBarcelona — 11/19/2010
TEDxBilbao· 11/27/2010
TEDxCanarias · Facebook · 10/25/2010
TEDxGalicia — Facebook · 11/26/2010
TEDxLaRioja · 2/17/2011
TEDxPalma — TBD
TEDxPamplona · 1/19/2011
TEDxRamblas — 1/20/2011

TEDxSantCugatdelVallès· 9/22/2010
TEDxSol — 10/5/2010
TEDxTenerife — TBD
TEDxValencia — Facebook · 5/6/2011

Sweden
TEDxAlmedalen — 7/7/2011
TEDxHammarbySjöstad · TBD
TEDxHornstull — 10/11/2010
TEDxNybroviken — TBD
TEDxÖresund — TBD
TEDxVårnamo — 10/6/2010
TEDxVästerås · Facebook — TBD

Switzerland
TEDxBern · TBD
TEDxGeneva · 12/6/2010
TEDxHealthcare · TBD
TEDxLuzern — TBD
TEDxRigi — TBD
TEDxTransmedia · Facebook · 9/30/2010
TEDxZurich — 10/20/10

United Kingdom
TEDxAberdeenU — 3/19/2011
TEDxAldeburgh · 11/6/2010
TEDxBrighton — TBD
TEDxBristol — TBD
TEDxCam — 4/30/2011
TEDxCentralLND — TBD
TEDxDevonport — 11/18/2010
TEDxEuston — Facebook · 11/27/2010
TEDxGoldsmithsUofL — TBD
TEDxKeble — TBD
TEDxLancasterUni — 11/13/2010
TEDxLeeds — 11/8/2010
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TEDxPeppard · 7/21/2010
TEDxSCEPTrE · 2/16/2011
TEDxShoreditch · TBD
TEDxTuttle — TBD
TEDxTW · TBD
TEDxWarminster — TBD
TEDxWhiteHawk — TBD
TEDxYork · TBD
TEDxYouth@Manchester — 11/11/2010

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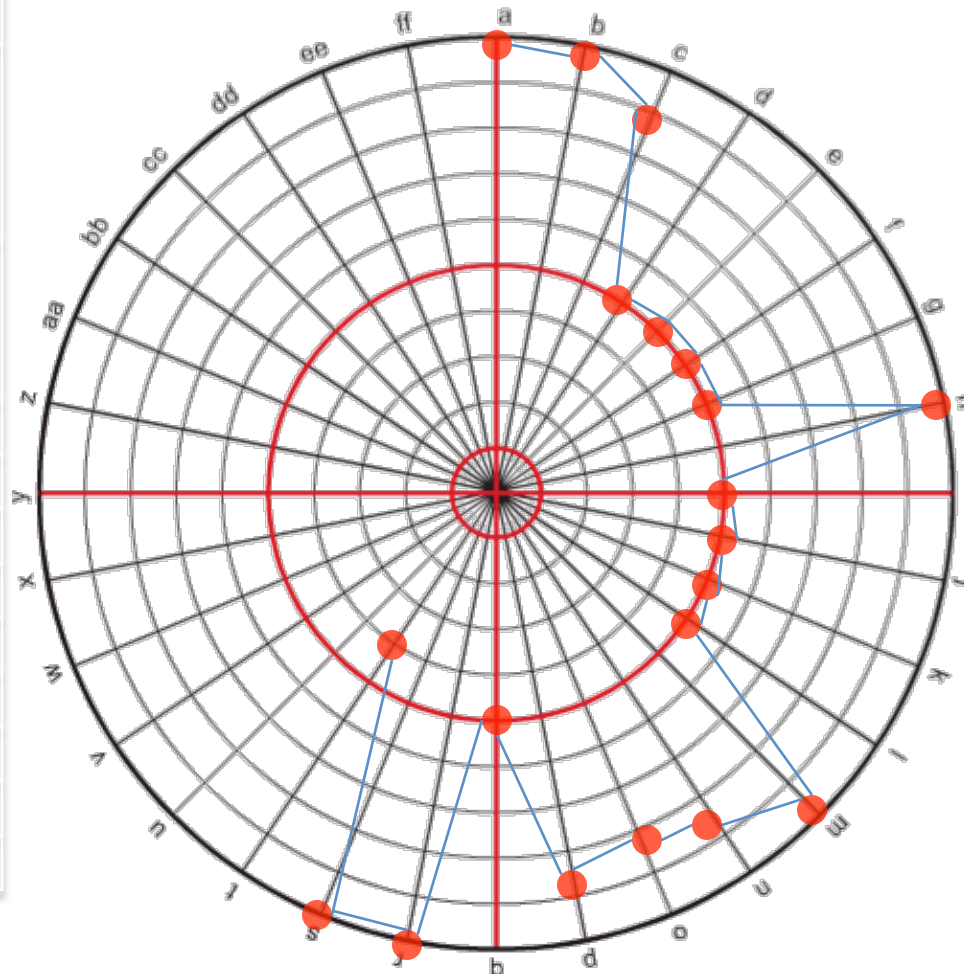
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Case: **TED**

Level of complexity or diversity:

low   medium   high

Functional:

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High: macro.
Medium: medium-scale.
Low: micro.

n) **Nature of the problem**
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o) **Applicability of the solution**
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A Living Lab (LL) is an open innovation ecosystem in real-life settings in which user-driven innovation is the co-creation process for new services, products and societal infrastructures. // European Network of LL (ENoLL).

- ENOLL: **federation** of international **research** & higher **education** institutions, **businesses** and **public** organization with **212 EU members**.
- The specificity of LL lies in their nature to **change the innovation paradigms** by pushing the **research out from the laboratories** into the **real environments** where **users contribute** to the innovation process.
- LL involves **real people** in the **improvement** and / or **creation** of new services and products adopting for-with-by-user methods.
- This **co-creative process (open innovation)** is designed according to common **cross-cutting interests** in a **regional** harmonized **context**.
- **Real-time collaboration** between **geographically dispersed** teams working.
- In this PPPP all stakeholders collaborate to **explore, experiment**, co-create and **evaluate new products, services, business** and technologies.
- The collaboration amongst **distributed knowledge workers and teams** (PPPP) encourage to share practices and business models.

First Wave Living Labs
Second Wave Living Labs
Third Wave Living Labs
Fourth Wave Living Labs

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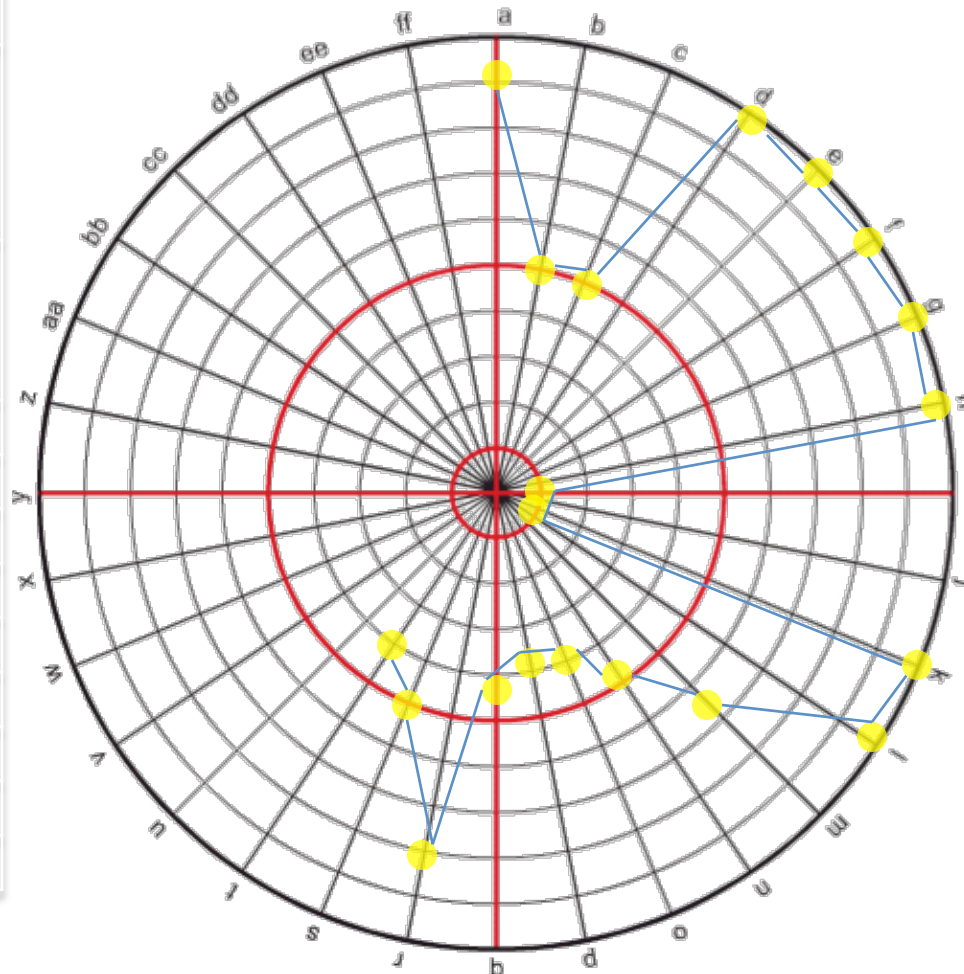
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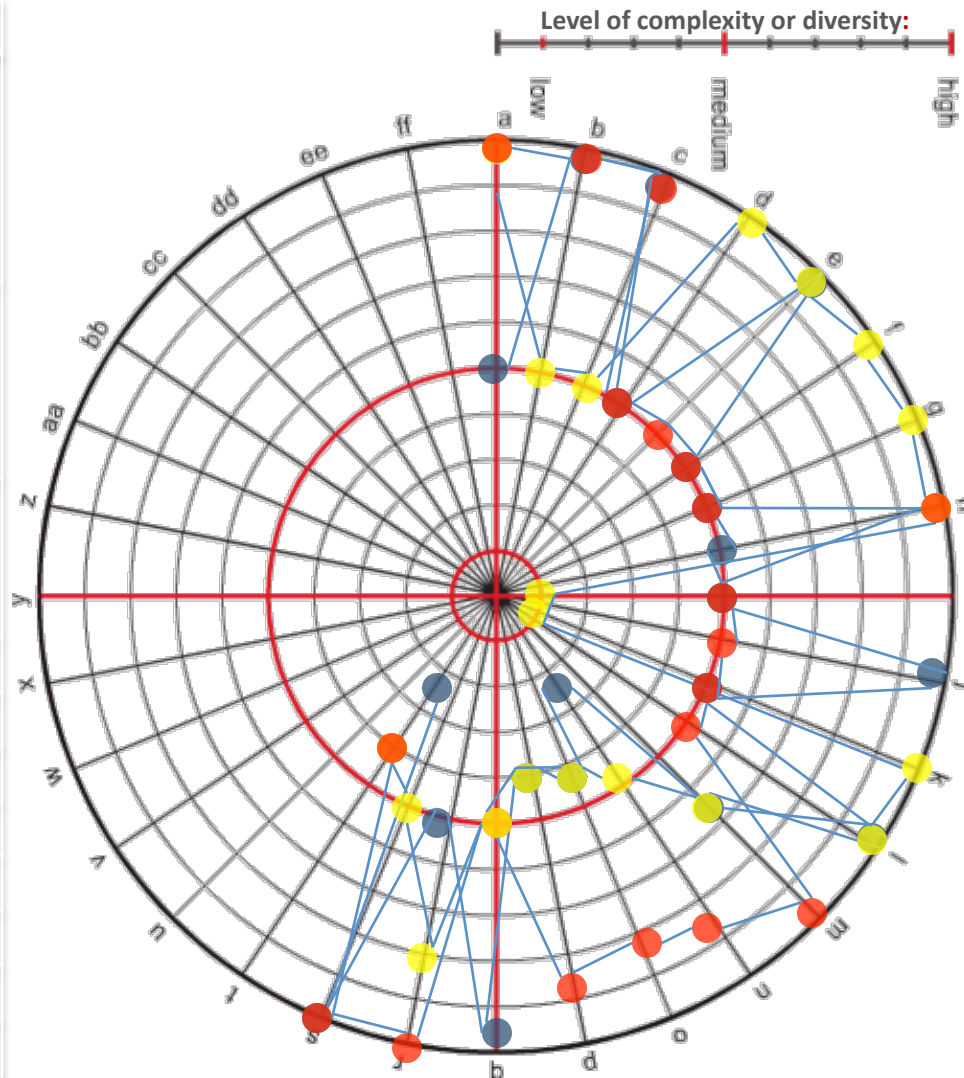
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OpenCourseWare Consortium
TED - Living Labs

1. **Medium-high levels of complexity.**
2. **High levels of openness.**
3. **Web-based collaboration.**
4. **Formal models of collaboration**

All ideas are welcome!

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Cristobal Cobo, Ph.D. cristobal@oii.ox.ac.uk

Oxford Internet Institute,

University of Oxford