



Horizon scanning for radical innovation breakthroughs for R&I policy **Workshop on key future Global Value Networks (GVNs)**

19 March 2018

Rue du Champ de Mars, 21 - 1050 Brussels, Belgium (SDR1&2)

The workshop will discuss a set of proposed future Global Value Networks, to use as frame of reference for evaluating the future relevance of aspirations for radical breakthrough innovations and of possible directions and missions of EU R&I policy.

Accelerating change is the norm of the 21st century. The world economy is changing in profound ways. Powerful forces push history in particular directions. Climate change and environmental challenges, inequality, urbanization, are amongst the megatrends that our economies and societies are struggling with and benefit from. The future is not independent from our past and our actions. We create it. We can approach it without plan, and let it be shaped by others. Or we can purposefully channel social imagination, knowledge and innovation in order to shape the future ourselves.

Global Value Networks express and help develop further, social imagination on important structures in the world economy of the future. They are networks because value is created through relationships between actors. They could be relationships of exchange – material or immaterial – relationships of camaraderie, cooperation, competition and other forms that create value. The relationships are stable over time, displaying some kind of regulatory influence over the behaviours of the actors in the network. In that they are akin to socio-technical regimes or paradigms. They are global in that they serve needs found across societies and communities, and form sizeable enough parts of the world economy, to be important for the European Union as a whole. They are not industries, sectors or companies, although they could be. For example Amazon.com, eBay and Alibaba could be seen as a current GVN.

The concept of Global Value Networks was coined by a foresight study of the Parliament of Finland¹. Its purpose was to assist the evaluation of relevance of different technological innovations for the future of the Finnish economy.

The workshop builds on an attempt to use the concept of Global Value Networks beyond the context of Finland, to contribute to the European Commission's analyses of future relevance of different R&I policy options, as well as to broader foresight efforts that span beyond the R&I policy field, for example in smart specialization strategies, or strategies for investment in different sectors and infrastructures.

The workshop will address the following questions:

1. How do Global Value Networks compare to other concepts of structures of value creation in the world economy, in terms of their suitability for foresight in R&I policy?

¹ Linturi, Risto, Osmo Kuusi and Toni Ahlqvist (2014) 100 Opportunities for Finland and the World, the Radical Technology Inquirer (RTI), the English edition https://www.eduskunta.fi/FI/tietoaeduskunnasta/julkaisut/Documents/tuvj_11+2014.pdf



2. How can we transfer future Global Value Network concepts from a national context to the European context?
3. What is the validity of the Global Value Networks defined so far, from a European perspective? How do the proposed future Global Value Networks compare to one another in terms of plausibility and importance?

AGENDA)

- 09h30 Coffee and registration
- 10h00 Welcome by **Nikolaos Kastrinos, Foresight Team Leader** EC DG RTD A3
- 10h05 Special Address by Member of the Committee of the Future of the Parliament of Finland **Ville Vähämäki**
- Session 1
- 10h20 Panel discussion on *Future global value creation structures*; Chair **Adrian Curaj** (Institut de Prospectiva, RO),
Andrea Renda (Centre for European Policy Studies, BE)
Barbara Haering (E.Concept, CH)
Ezio Andreta (CNR, IT)
- 11h30 ***** Leg stretching / coffee *****
- Session 2
- 11h45 *Building a European Perspective on Global Value Networks*, Chair **Philine Warnke**, FhG/ISI
Osmo Kuusi (Finland Futures)
Michael Keenan (OECD)
Keith Smith (Imperial College London)
- 12h45 ***** Sandwich Lunch in the Atrium *****
- Session 3
- 13h30 Validation and calibration of proposed Global Value Networks:
Teams in World Café format
- 16h15 Outcome of the workshop, next steps
- 16h30 Close