



ManuFuture 2015

4.3 Regional Manufacturing/ Global Value Stream

Arun Junai,
EU Manager,
TNO Industry
Eindhoven
The Netherlands

Luxemburg,
24.11.15



Regional Manufacturing

- Regional manufacturing involves organizations mostly within a geographical region working together to close the loop through inter-company, inter-industry, community and supply chain collaboration.
- Regional manufacturing creates jobs within the region and the community.
- Regional manufacturing enables us to bring production closer to our customers' building sites which helps to reduce the environmental impact by reduction in emissions and also reduction in energy costs associated with shipping our products.
- This helps to respond to the needs of customers and allows customization of different products. 3D Printing is one of the enabling technologies which encourages regional manufacturing.



Global Value Stream

- **Global value chain includes firm(s) and people involved in the production of goods or services and their activities from its conception to end use coordinated across geographies.**
- **The activities such as design, production, marketing, distribution and support to the final consumer can be contained within a single firm or divided among different firms.**
- **For example: a firm from one country establishes a new factory or engineering centre in another country or a firm in one country contracts with a firm in another country for production in their plants. It can be producer driven or buyer driven.**
- **Producer-driven chains have more linkages between affiliates of multinational firms, while buyer-driven chains have more linkages between legally independent firms.**



Speakers

Thorsten Widmer, VP Manufacturing Coordination & Investment Planning, Bosch

John Blankendaal, Managing Director, Brainportindustries

Rikardo Bueno, Director for the Programmes Area, Tecnalia

Robert Young, Professor, UK Loughborough University



Presentation

Thorsten Widmer : Industry 4.0 in a global value chain@Bosch

John Blankendaal : Regional manufacturing in Europe

Rikardo Bueno : Advantages and disadvantages of Regional manufacturing and Global Value Chain production

Robert Young : The Flexible Configuration of Production Networks for New Global Product-Service Systems



Discussion

- **How to keep manufacturing in Europe?**
- **What are the ways for reindustrialization in Europe?**



Thanks for your Presence and Attention

Arun Junai

Thorsten Widmer

John Blankendaal

Rikardo Bueno

Robert Young