

Future Supply Chain Master Class

A new executive training program for the
future generation of supply chain directors

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Our Vision

Future Supply Chain Directors and Vice Presidents SCM will differ from the present:

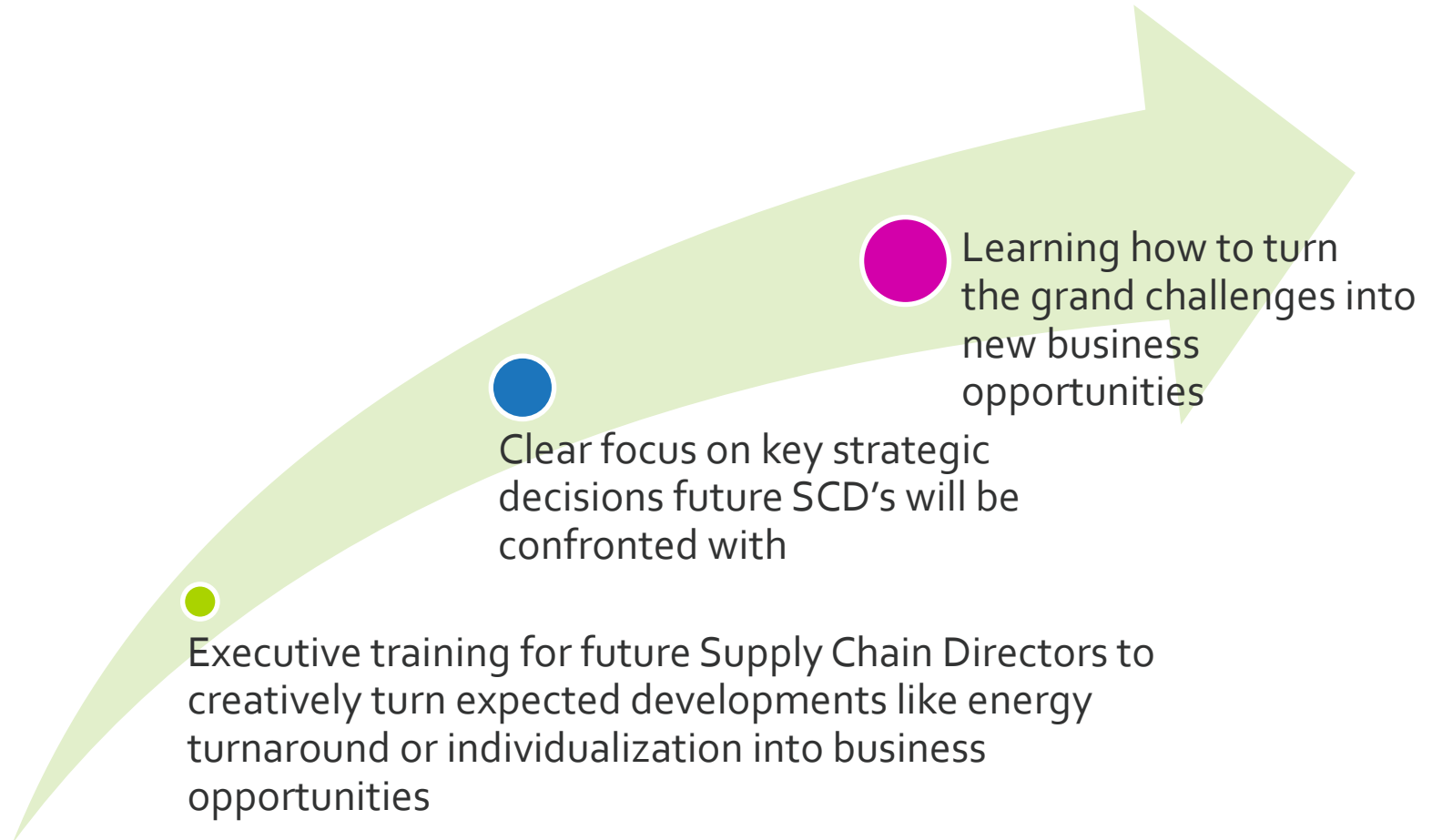
According to their central position within a company, they will be involved in all strategic decisions.

They are the ones with a holistic view on the supply chains and the ones who evaluate challenges and opportunities for logistics and supply chain management arising from future production and consumption.





Your benefit

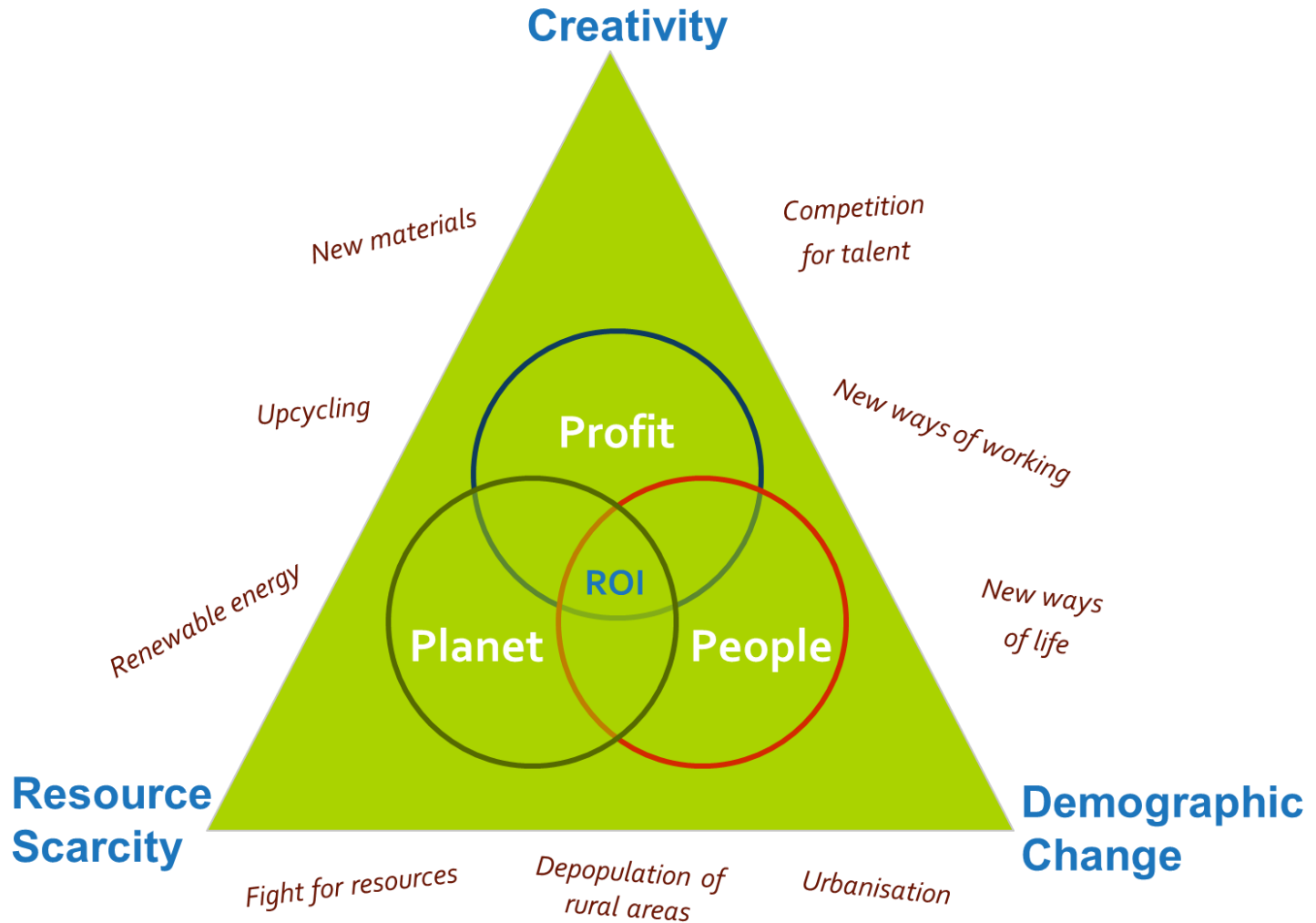




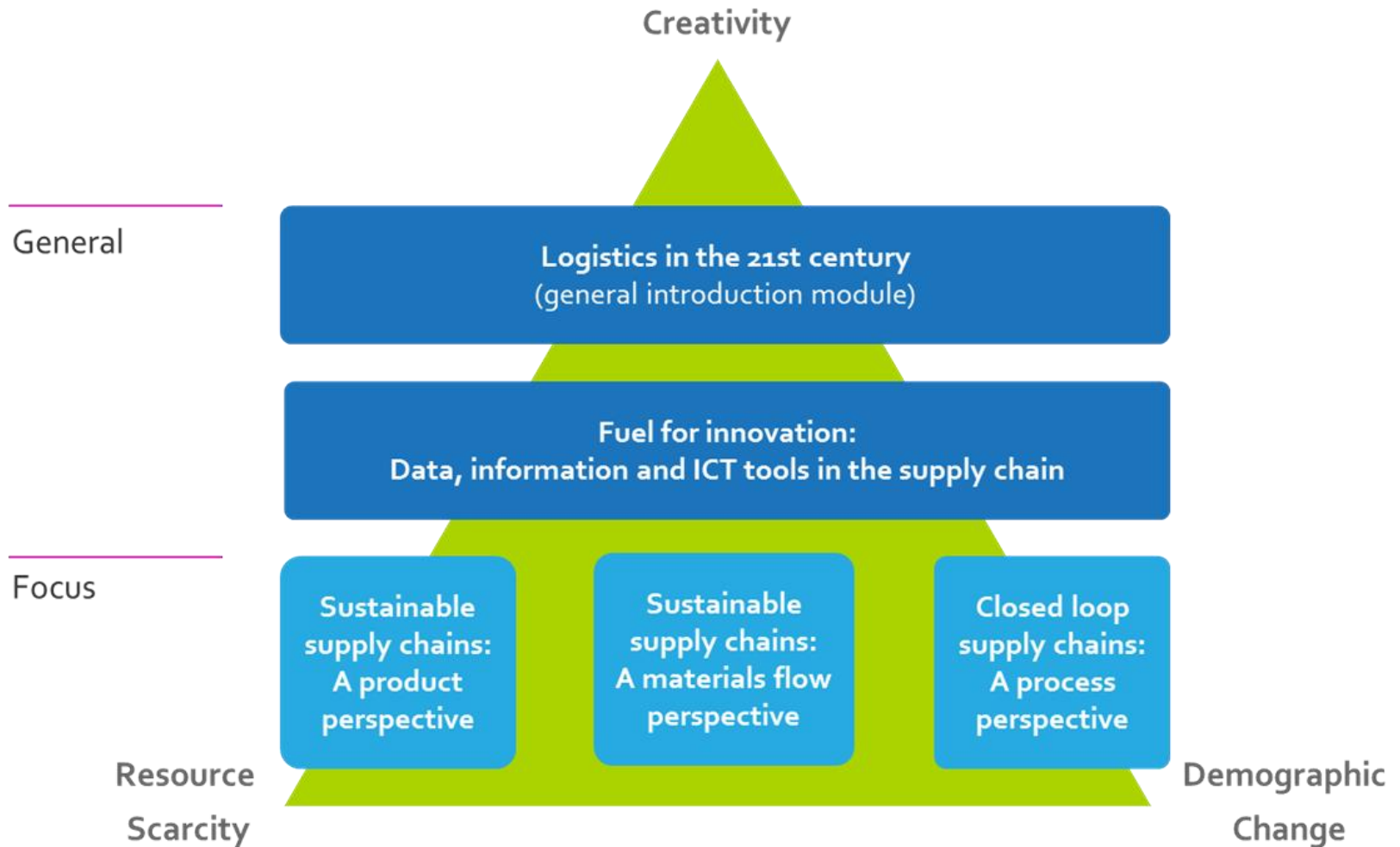
Outlines of the Future Supply Chain Master Class

- International part-time program taught in different European contexts
- Modularly structured
- Five modules focus on key strategic decisions to be taken in the future
- Literature preparation and e-learning at home, class-room training, and company visits on site
- Evaluation through written assignments
- Modules comprise 5 days of work, thereunder 2.5 – 3 days of physical attendance

Program Vision



Program Structure



Module 1

Logistics in the 21st century



Logistics in the 21st Century

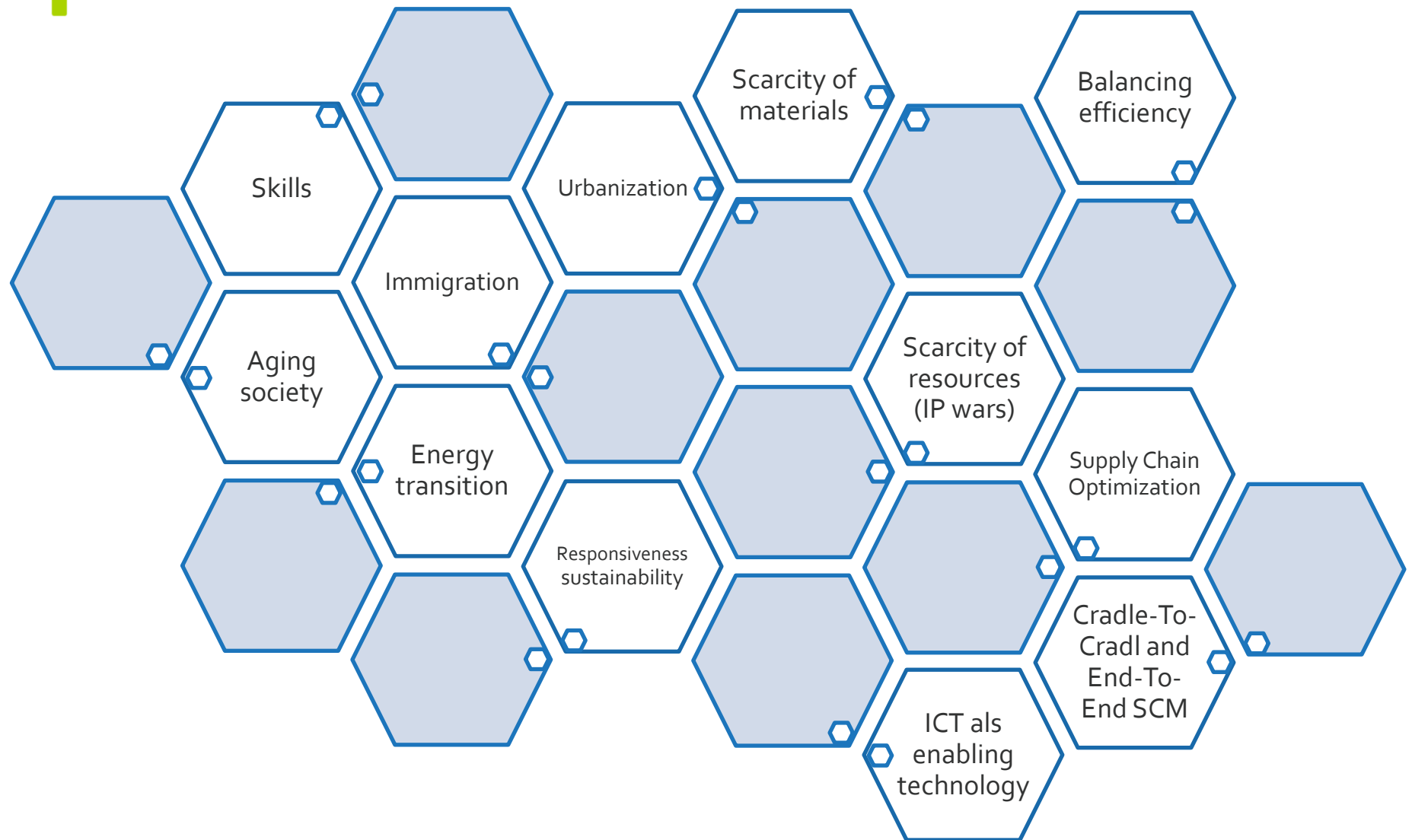
■ Vision

- Fundamental changes in material and resource **scarcity and demography** (location and behaviour of consumers) drive new technological developments. These contextual changes will dramatically impact supply chain structures.

■ Key strategic decisions

- How to **redesign supply chains** to take into account major environmental and societal changes
- How to effectively use state-of-the-art **information and communication technology**
- How to balance **efficiency, effectiveness and sustainability**

Topics





Company Benefits

■ Assignment

- Apply **Strategic Decision Tool** to company's supply chain, taking into account alternative future scenarios

■ Key takeaways

- Future scenarios support robust **supply chain design**
- Strategic Decision Tool enables a structured approach to supply chain design
- **Sustainability** drives different balance between efficiency and responsiveness

Module 2

Fuel for innovation: Data, information and ICT tools in the supply chain



Data, information and ICT tools in the supply chain

■ Vision

ICT will continue to lighten the human burden through dedicated, logistics-specific tools supporting the decision process. The challenge will not only concern hardware and software, but above all the overarching **architecture**

■ Key strategic decisions

- How to **design** and operate an advanced, collaborative, web/cloud based ICT environment
- Choose between **centralized and de-centralized ICT**, to develop innovative SCM organizations
- How to read and approach through **innovative ICT solutions** the ever changing logistics networks



Topics

IT Governance and ICT Architecture

- Role of ICT in supply chain management and logistics
- Trends in ICT applications for Supply Chains
- Architectural development: shareware, web-based, SaaS, cloud computing
- Decentralized control/distributed decision making mechanisms

Supply Chain Visibility

- Collaborative supply chains, Intelligent Cargo, Internet of things
- Collaboration 2.0: Social Supply Chains

ICT Tools for SCM: an Alternative Perspective

- General overview of ICT tools for SCM; Software for sales and demand planning; Best-of-breed versus ERP
- Tools for network analysis and modelling
- Supply chain collaboration, including e-procurement tools
- Market approach, including e-sourcing strategies and tools



Company Benefits

■ Key takeaways

- Recognizing and evaluating different **ICT architectures**, to gain a competitive advantage
- Understanding the benefits of a **collaborative Supply Chain**
- Selecting, comparing and choosing ICT tools

■ Potential impact

- **Savings** up to 50% in the ICT bill through a well designed ICT architecture
- Collaboration and data **visibility** can enhance load optimization by well over 10%, resulting in lower freight cost and reduced carbon footprint
- Transparent and accurate **data interchange** with Customers and suppliers cut decision times, creates value and eliminates mistakes

Module 3

Sustainable supply chains: A product perspective



Sustainable supply chains: A product perspective

■ Vision

- **Smart and innovative packaging** for sustainable solutions
- Use of interdisciplinary approach to perform an **integrated development** of product and package designs
- Use of packages to increase **visibility and transparency** in the supply chain

■ Key takeaways

- Understanding the importance of using **interdisciplinary teams** when designing supply chain solutions
- Understand the **added value and cost savings** that the package/unit load can apply to the supply chain
- Understand how **future trends and challenges** can be dealt with from a packaging logistics perspective.

Module 4

Sustainable supply chains: A materials flow perspective



Sustainable supply chains: A materials flow perspective

■ Vision

- In the future individualized **lifestyles** will increase and have a big impact on logistics.
- Society's demand for individual products will lead to new ways of **distributing and storing** those.
- The challenge in in-house logistics will be to manage warehouses and distribution centers in order to guarantee a **fulltime availability** of goods.
- **Designing** intelligent, flexible and energy-efficient intralogistics systems with high performances will be the answer.

■ Key takeaways

- Knowing latest developments and trends in warehouse and distribution center **technologies**
- Knowing latest developments and trends in warehouse and distribution center **ICT**
- Knowing **innovations in storage systems technologies** and how to apply them

Module 5

Closed loop supply chains: A process perspective



Closed-loop Supply Chains and Servitization

■ Vision

- Changing views on reverse logistics and **reusability**.
- From product to service, from ownership to **functional usage**
- Servitization and closed loops supply chains as **profitable added value activity**

■ Key takeaways

- Formulation and development of a **reverse logistics strategy**
- Understanding shifts of product to service and of ownership to **functional usage** of product
- Understanding impact of **new developments** on reverse logistics and closed-loop supply chains, e.g. cradle-to-cradle, e-commerce, urbanization, material printing,...

Technical Information & Participation



Participation Requirements



- Middle or senior management or advisor to those
- 10 – 15 years of (logistics) working experience
- BA or MA level degree in business or engineering
- Profound logistics and supply chain management knowledge



Please ask for participation
in our pilot under: www.log2020.eu

Master Class Pilot

- Free participation for selected participants
- Costs for travelling and accommodation are not covered
- All modules have to be attended





Technical Information

- Total class days: 12.5
- Total preparation days: 7.5-10
- Timing: January to June 2014
- Proposed locations: Venice, Lund, Antwerp

Take today's challenges
as your tomorrow's
competitive advantages!

For further information, please contact Maurizio Cociancich, IUAV Venice



PLEASE VISIT OUR WEBSITE: WWW.LOG2020.EU

