


# ManuFuture ETP Sub-Platforms and Societal Challenges

Arun Junai

2nd Joining Sub-Platform GA Meeting,

**EC CDMA building,**

**rue du Champ de Mars, 21,**

**1050 – Bruxelles**

04.07.14




# The MANU*FUTURE* mission and Why Manufacturing?

**The mission of MANU*FUTURE ETP*** is to propose and to implement a strategy based on research and innovation, capable of speeding up the rate of industrial transformation in Europe, securing high added value employment and winning a major share of world **manufacturing** output in the future knowledge driven economy.

**Why Manufacturing?**

-**2 million enterprises** are classified as manufacturing in EU27

-The manufacturing sector employed 31 million persons in 2009, generated **EUR 5 812 billion of turnover and EUR 1 400 billion of value added.** The sectors' turnover grew from 2009 to 2010 by EUR 600 billion, up to **EUR 6 400 billion**.




# ManuFuture Organization

## ManuFuture HLG

**MF Support Group** HLG Sherpas + WGs

**MF NRTP Group** National and Regional Technology Platforms

**MF Sub-Platforms -Additive Manufacturing, AET, CET, EC, ET, FW, Joining and MINAM Cross Sectorial Activities+ ETP Relations**

**MF Industrial Advisory Group** CEOs/CTOs

## Implementation

**Frame Work Programs FP 7, H 2020,** **FoF PPP**

**EUREKA Σ! Umbrella and Cluster Projects**

**National/ Regional Programmes**



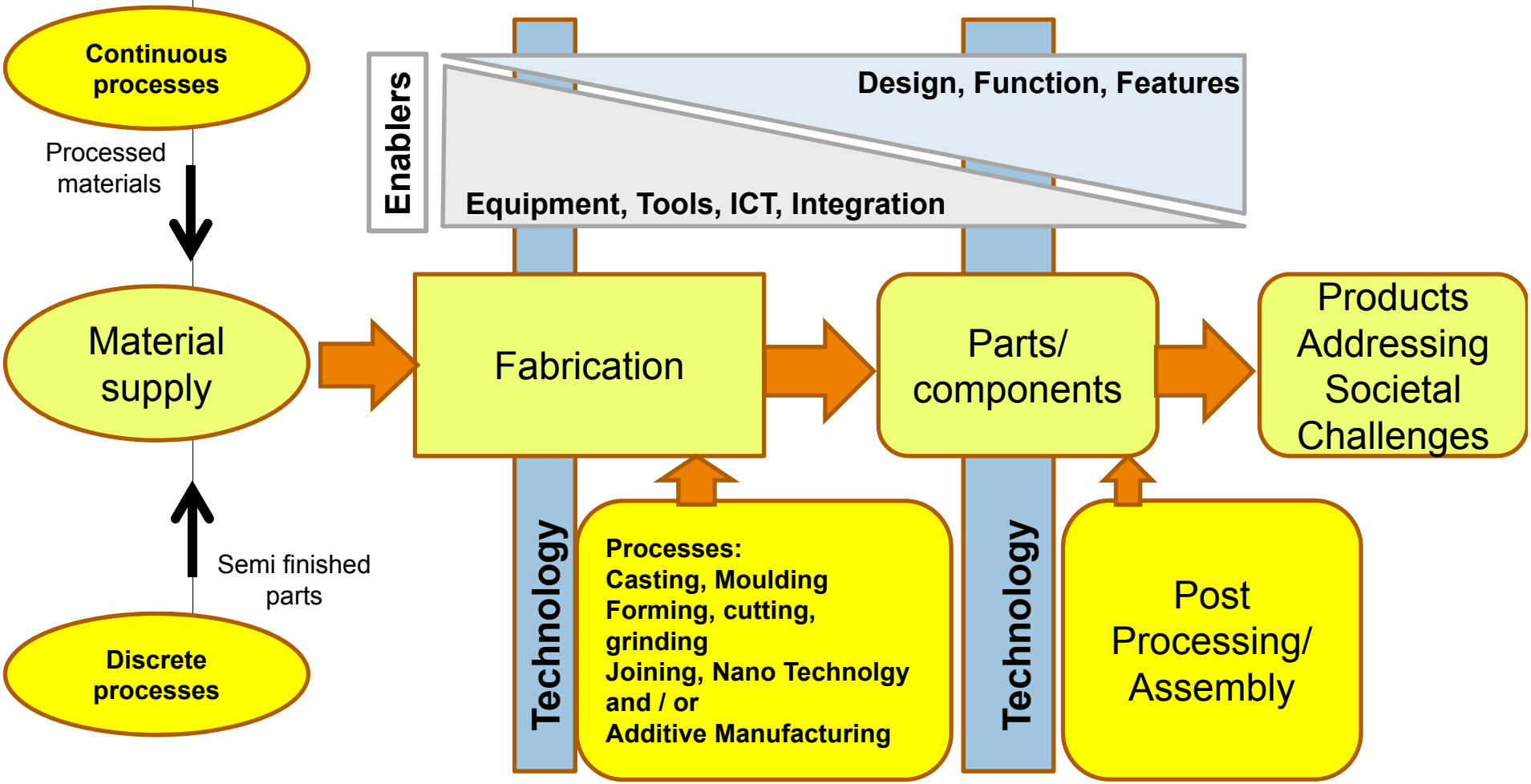

# Stakeholders of ManuFuture ETP

- The ManuFuture platform currently has 1,800 registered members,
- including 1,400 SMEs,
- 230 large companies,
- 120 research institutes (RTOs),
- 20 industrial associations and
- 30 governmental bodies.
- 28 national and regional TPs
- If we count also the membership of the 20 industrial associations the ManuFuture membership would of course be far bigger (estimation 20,000).




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# Manufacturing Flow Diagram






# EC Contact Persons for ManuFuture ETP & Sub-Platforms

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| | ManuFutre Sub-Platform | EC Contact Person Coordinates | | |
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# ManuFutre Sub-Platform Contact Persons

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| Sub-Platform | Chairman coordinates | | Secretary General Coordinates | |
|---|---|---|---|---|
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# EU-ETPs

| Bio-based economy | Energy | Environment | ICT | Production and processes | Transport |
|---|---|---|---|---|---|
| EATIP | Biofuels | WssTP | ARTEMIS | ECTP | ACARE |
| ETPGAH | EU PV TP | | EUROP | ESTEP | ERRAC |
| Food for Life | TPWind | | ETP4HPC | EuMaT | ERTRAC |
| Forest-based | RHC | | ENIAC | FTC | Logistics |
| Plants | SmartGrids | | EPoSS | SusChem | Waterborne |
| FABRE TP | SNETP | | ISI | Nanomedicine | |
| TP Organics | ZEP | | Net!Works | ETP-SMR | |
| | | | NEM | Manufuture | |
| | | | NESSI | | |
| | | | Photonics 21 | | |
| Cross ETP Initiatives | | | | | |
| Nanofutures | | | | | |
| Industrial Safety | | | | | |




# Other ETPs related to ManuFuture

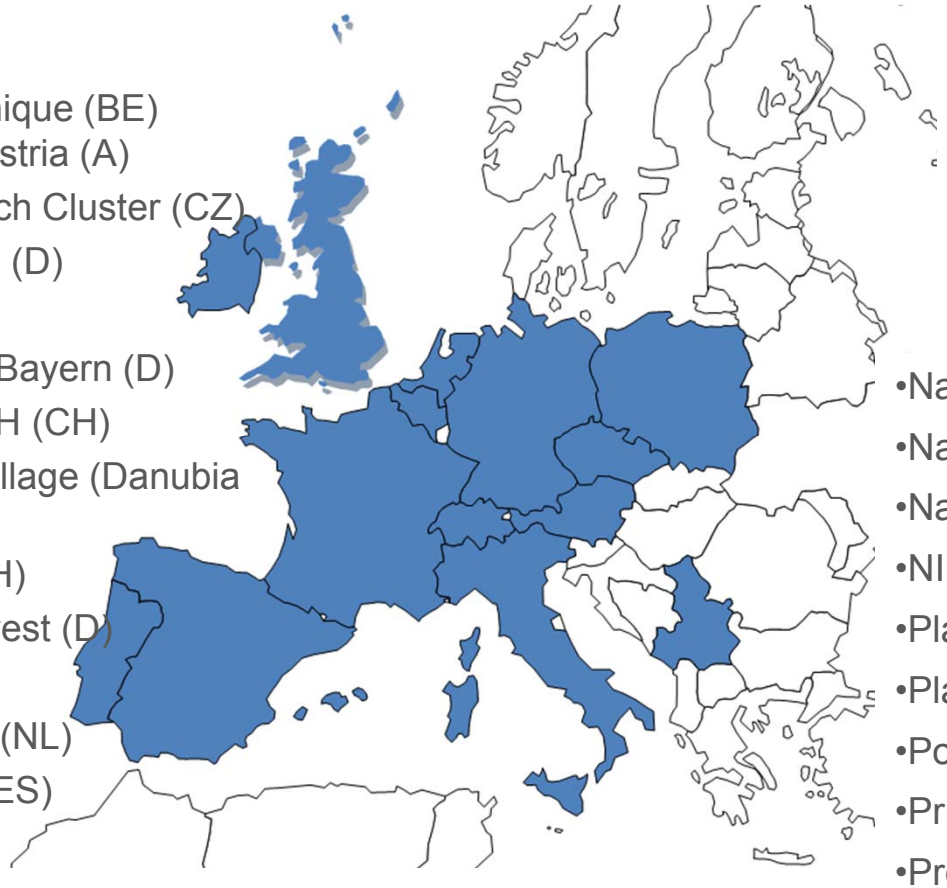
| |
|---|
| Advanced Engineering Materials and Technologies-EuMat |
| Embedded Computing System-ARTEMIS |
| European Nanoelectronics Initiative Advisory Council-ENIAC |
| European Technology Platform on Smart Systems Integration -EPoSS |
| European Steel Technology Platform (ESTEP) |
| Future Textiles and Clothing-FTC |
| Industrial Safety |
| Networked European Software and Services Initiative-NESSI |
| Photonics 21 |
| Robotics-EUROP |
| Food for Life |
| Sustainable Chemistry-SusChem |
| Waterborne |
| NanoFuture |





# Clusters in contact with MINAM 2

- AVEP (ES)
- BAIKEM (D)
- Centimfe (PL)
- Cluster Photonique (BE)
  Clusterland Austria (A)
- Czech Nanotech Cluster (CZ)
- Innovation Lab (D)
- IVAM (D)
- Laserzentrum Bayern (D)
- ManuFuture CH (CH)
- ManuFuture Village (Danubia region)
- MicroNarc (CH)
- Microtec Südwest (D)
- Minalogic (F)
- Nano NextNL (NL)
- Nanobasque (ES)



- NanoKTN (UK)
- Nanomat (D)
- Nanomedic (CZ)
- NIL Cluster Austria (A)
- Plastipolis (F)
- Plastival (ES)
- Pole de microtechnique (F)
- Printed electronics arena (GB)
- ProPlast (I)
- PVT (NL)
- Réseau Plasturgie (F)
- Silicon Saxony (D)
- Veneto Nanotech (I)

Participants of MINAM surveys /
Interest in Cooperation

bold= workshop participants




# Sub-Platforms and their contribution to Societal Challenges

| Sub-Platforms | Societal Challenges | | | | | | |
|---|---|---|---|---|---|---|---|
| | Health, demographic change and wellbeing | Food security, sustainable agriculture, marine and maritime research & the bio economy | Secure, clean and efficient energy | Smart, green and integrated transport | Climate action, resource efficiency and raw materials | Inclusive and innovative societies | Secure societies |
| Additive Manufacturing | X | X | X | X | X | X | X |
| Agriculture Engineering Technology | - | X | X | X | - | - | |
| Clean Environmental Technologies | | | | | X | X | |
| European Concept | | | | | X | X | |
| Foot Wear | X | X | X | X | X | X | |
| Micro Nano Manufacturing | X | X | X | X | X | X | |
| Tooling | X | X | X | X | X | X | |
| Joining | X | X | X | X | X | X | |




Thanks for your Attention

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