



From Roadmap to an Action Plan

Supporting development of talents in chemistry

Talent in Industry 4.0



SUPPLY SIDE:

- *Networked industry;*
- *New technologies that create entirely new ways of serving customers;*
- *Access to global digital platforms for research, development, marketing, sales, and distribution;*

Talent in Industry 4.0



Agile, innovative competitors, SMEs can disrupt value chains and oust well established incumbents faster than ever

(by improving the quality, speed or price at which value is delivered)

Talent in Industry 4.0



DEMAND SIDE:

- *Growing transparency;*
- *Growing consumer engagement;*
- *New patterns of consumer behaviour;*

Talent in Industry 4.0



*Companies will have to
adapt the way they
design, market, and
deliver products and
services*

***Talent, more than
capital, will
represent the
critical factor of
production***



Expanding and refining talent goes beyond teaching – cooperation with other actors in the process is crucial



Context

- ◆ Roadmaps agreed and endorsed by key partners in the process;
- ◆ Roadmaps should be implemented through actions to be agreed: projects to develop innovations, networking internationally, incubate start-ups, joint ventures, ...



- ◆ European partnerships for developing programmes and joint degrees – universities, industry and research capacities – Erasmus+ KA, SPs and/or Horizon 2020 (bridging the gap actions, twinning actions);
- ◆ Develop technology enabled platforms (Smart innovation, ERDF operational programmes) - Support for networking supported by student organisations, industry associations, technology platforms, ...
- ◆ Incubate partnerships, start-ups for developing specific projects.



Develop:

- ◆ International (European) innovation projects (Horizon 2020 NMBP, CIRC, ECO-INNOVATIONS...);
- ◆ Developing innovations in SMEs (Horizon 2020 SME Instrument, ERDF OP);
- ◆ Developing value chains (Smart specialisation).



Plan for:



International (European) exposure;

Financing: EU Innovation funding and venture capital;

Concrete results in reasonable deadlines;

Project quality is the ticket to success – take time, resources;