



Mass production in Flexible Electronics: the concept of the pilot lines

10TH INTERNATIONAL SYMPOSIUM ON FLEXIBLE ORGANIC ELECTRONICS
(ISFOE17)

3-6 July 2017, Thessaliniki (Greece)

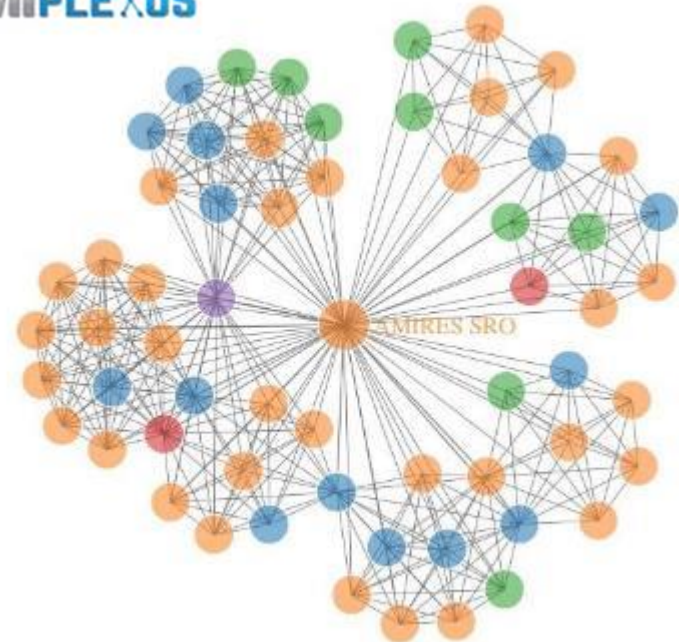
Elena Turco – AMIRES

AMIRES profile



- Strategic partner(s) search
- Proposals preparation and submission
- Projects management
- Innovation opportunity analysis
- Business Innovation Coaching
- Technology scouting
- Webinar and events management

AMIPLEXUS



AMIPlexus - a cooperation visualization engine:
www.amiplexus.eu

Market needs



- **From R&D scale to mass production scale**
- Increase accessibility to flexible OLEDs and hybrid TOLAE, meeting application-specific requirements
- **Increase awareness and understanding**
- Develop a know-how for integration and use
- Develop an established manufacturing route
- **Lower risk of the decision for SMEs to enter the market**

Open access pilot lines



- **PI-SCALE pilot line (up to 5000m² of OLEDs/year.) InSCOPE pilot line (up to 1500km of printed foils/year)**
- PI-SCALE (4 products prototypes) and InSCOPE (4 product prototypes) + SME development cases.
- **Design Handbook** provides support for the design of new products.
- Stabilize up-scaled processes, generate pre-production statistics, prove technology and optimize the production parameters
- Large pool of manufacturing route: **all options are offered by the pilot line so that customers can compare and make choices.**



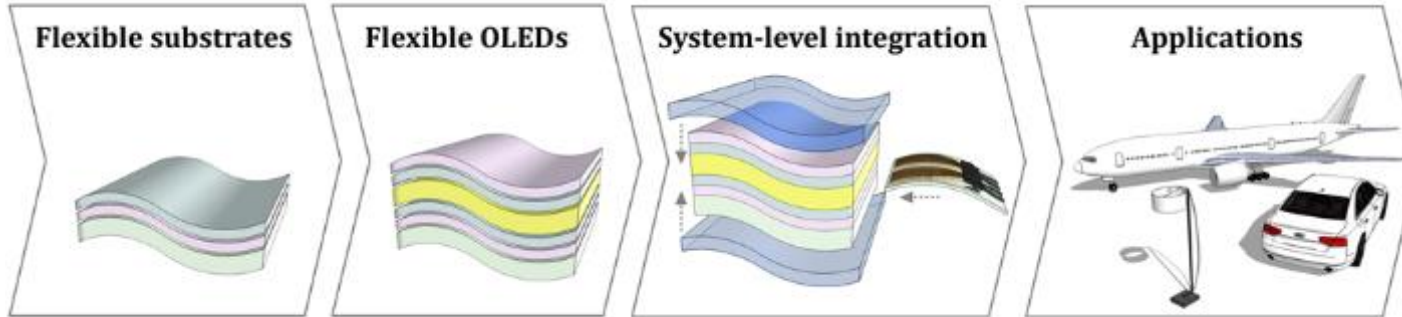
Bringing flexible organic electronics to pilot innovation scale

Start: 01/2016

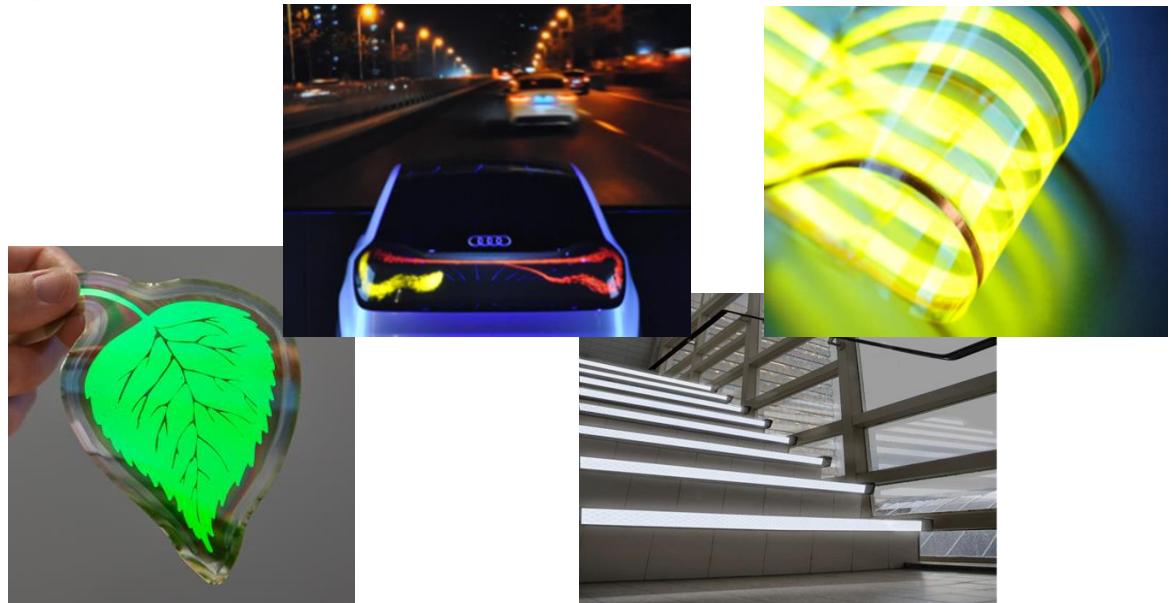
End: 12/2018

Funding: € 14.0 M

Call: H2020-ICT-2015



- Any shape, any size, any color, any design
- High flexibility and small bending radius
- Long strips
- Transparent





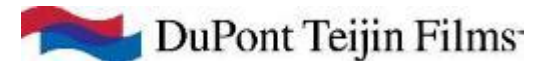
Bringing flexible organic electronics to pilot innovation scale

Project Coordinator: Joanne Wilson, PhD.
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Project Manager: Jana Mesíková
(mesikova@amires.eu)

Service offering:

- **Prototyping and pilot production** of customized flexible OLED devices
- **System-level integration** of flexible OLEDs into product prototypes
- Access to **independent specialists** and **know-how** for flexible OLED technology



Website: www.pi-scale.eu

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no. 688093, project PI-SCALE.



InSCOPE



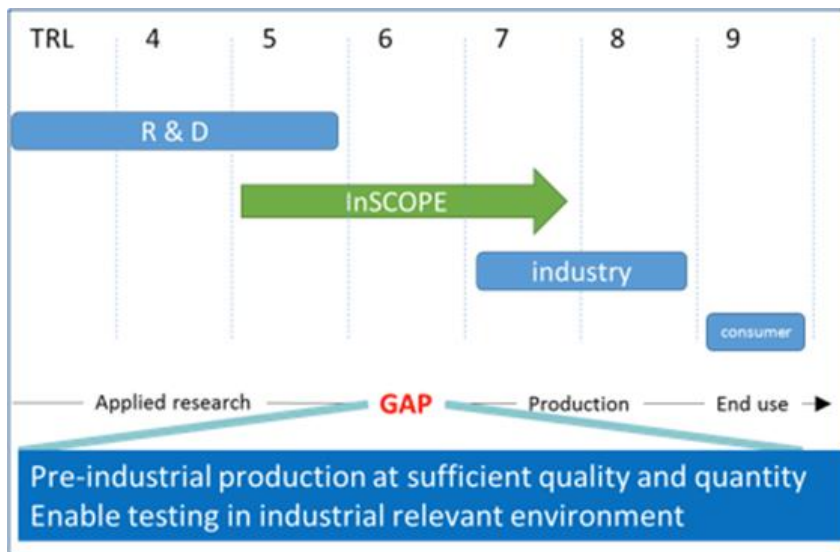
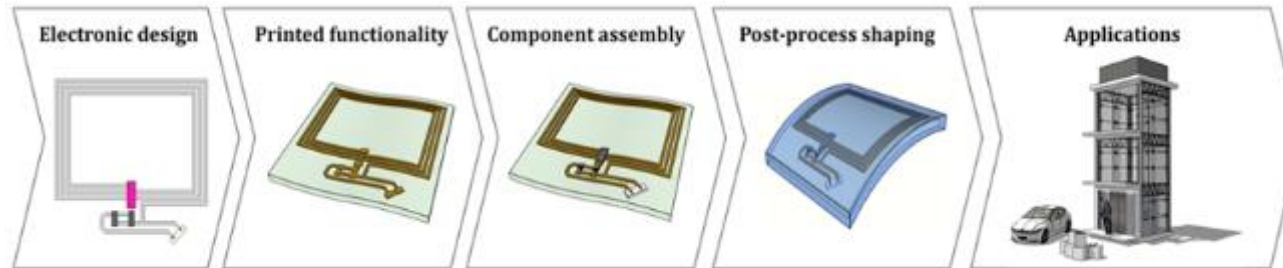
International Smart Collaborative Open-access hybrid Printed Electronics pilot line

Start: 01/2017

End: 12/2019

Funding: € 9.1 M

Call: H2020-ICT-2016





InSCOPE

International Smart Collaborative Open-access hybrid Printed Electronics pilot line



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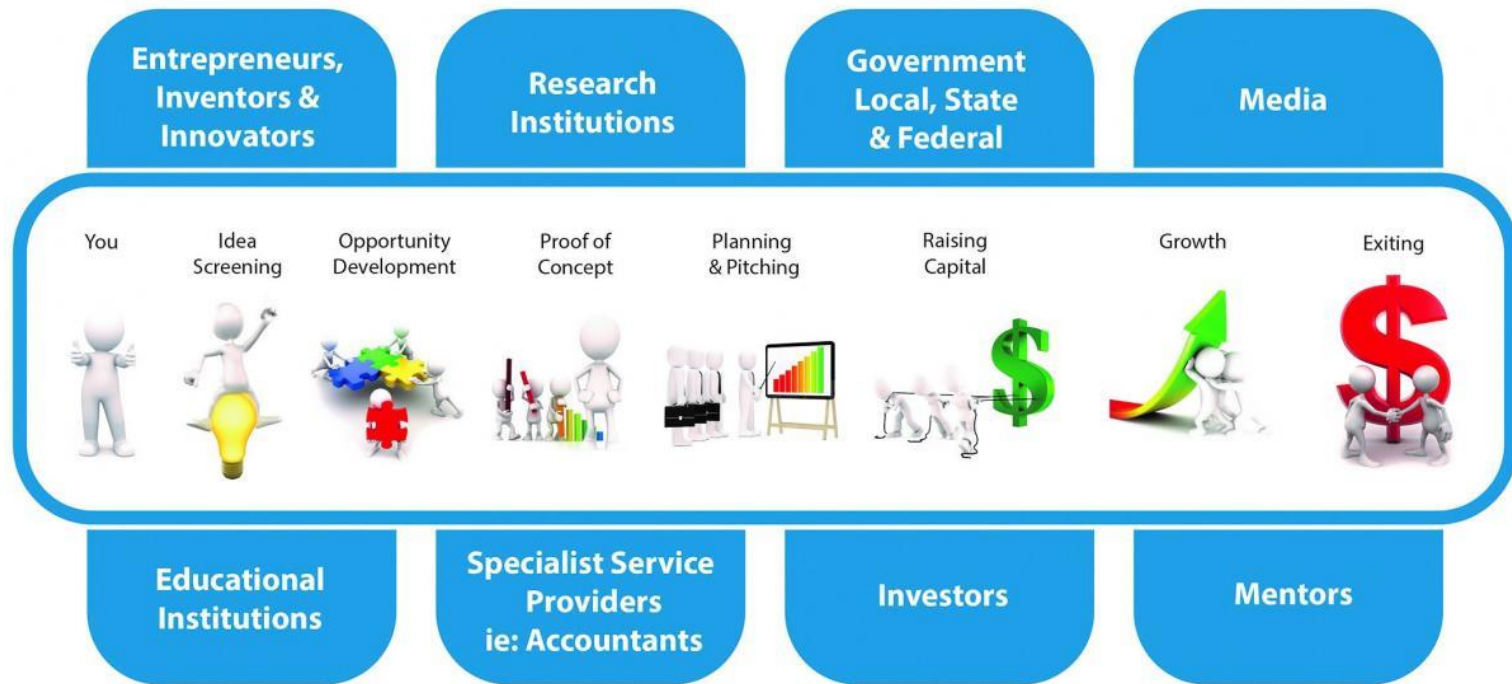
Website: www.inscope-project.eu

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement n°731671, project InSCOPE.

Sustainable innovation eco-system



A sustainable innovation eco-system is an organized European innovation network that **supports small and mid-size companies providing both access to competencies and business support.**



Business Innovation Coaching



AMIRES can guide you through the innovation process:

- Exploring market applications/needs for innovation
- Analysing the company's innovation potential
- Defining the company's innovation competencies
- Designing the innovation plan
- Providing support in the strategic partnership building
- Supporting the dissemination (create market needs)
- Providing assistance in the innovation projects' execution

Thank you for your attention!



Elena Turco

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