

Manufuture HLG - 16 November 2017

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Status – Factories of the Future

Horizon 2020:

- 94 projects from calls 2014-2016 (428 M€)
- 18 projects starting from 2017 call (~90 M€)

Overall*:

- ~2.3 patent applications per project
- ~7.5 new systems and techs per project
- 30% reduction in waste
- 22% reduction in material use
- 27% reduction in CO₂ emissions, 22% reduced energy use





Work Programme 2018-20

- Published: https://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html#h2020-work-programmes-2018-20
- 12 (+3 NMBP, +ICT) FoF topics between 2018-2020
 - Ambitious
 - Large/holistic challenges
 - System-level approaches
- Showcasing the Factories of the Future





Opportunities for 2018-2019, FoF

Topic Title	Year	Туре
DT-FOF-01-2018: Skills needed for new Manufacturing jobs	2018	CSA
DT-FOF-02-2018: Effective Industrial Human-Robot Collaboration	2018	RIA
DT-FOF-03-2018: Innovative manufacturing of opto-electrical parts	2018	RIA
DT-FOF-04-2018: Pilot lines for metal Additive Manufacturing	2018	IA (50%)
DT-FOF-05-2019: Open Innovation for collaborative production engineering	2019	IA
DT-FOF-06-2019: Refurbishment and re-manufacturing of large industrial equipment	2019	IA
DT-FOF-08-2019: Pilot lines for modular factories	2019	IA (50%)
DT-FOF-12-2019: Handling systems for flexible materials	2019	RIA
DT-NMBP-20-2018: A digital 'plug and produce' online equipment platform for manufacturing	2018	IA
DT-NMBP-18-2019: Materials, Manufacturing processes and devices for organic and large area electronics.	2019	IA
DT-NMBP-19-2019:Advanced materials for additive manufacturing	2019	IA
ICT Topics 2018	2018	
ICT Topics 2019	2019	



cPPP mid-term review

- One single report for nine cPPPs, published 9 October
- Report available online: https://publications.europa.eu/s/dPIo
- 6 recommendations:
 - 1. More participatory processes
 - 2. More transparent processes
 - 3. Increase links between EU instruments and the cPPPs
 - 4. Redesign the key performance indicators
 - **5.** Enhance national/regional impact together with Member States
 - 6. Progress with the cPPPs through "missions" of societal, industrial, and scientific nature





cPPP mid-term review - FoF

- Good, mature performance
 - Important private investments
 - Good coherence with other programmes
 - Open participation, high count of SMEs and partners from newer EU member states
- Improve through the cPPP recommendations
 - Expand the stakeholder base, incl. with member states
 - Improve the reporting of the key performance indicators
 - Increase links with industrial/scientific/societal challenges





Beyond Horizon 2020

- Business as usual not possible
- Rationalisation based on:
 - Outcome of the Interim evaluation of Horizon 2020: https://ec.europa.eu/research/evaluations/index_en.cfm?pg=h2020evaluation
 - Links to the Lab-Fab-App, "Lamy report": https://publications.europa.eu/s/dPIv
- Alignment to Commission priorities
 - Openness: the "three O's"
 - Open Science
 - Open Innovation
 - Open to the World
- Citizen involvement Sustainable development goals





Upcoming preparation

- Multiannual Financial Framework to be settled
- Stakeholder consultations
- Impact assessments

- Please support us and engage with your stakeholders
- Industry Day 22-23 February 2018





Thank you for your attention!

Find out more:

www.ec.europa.eu/research/horizon2020

