

# “ZDM projects cluster webmeeting”



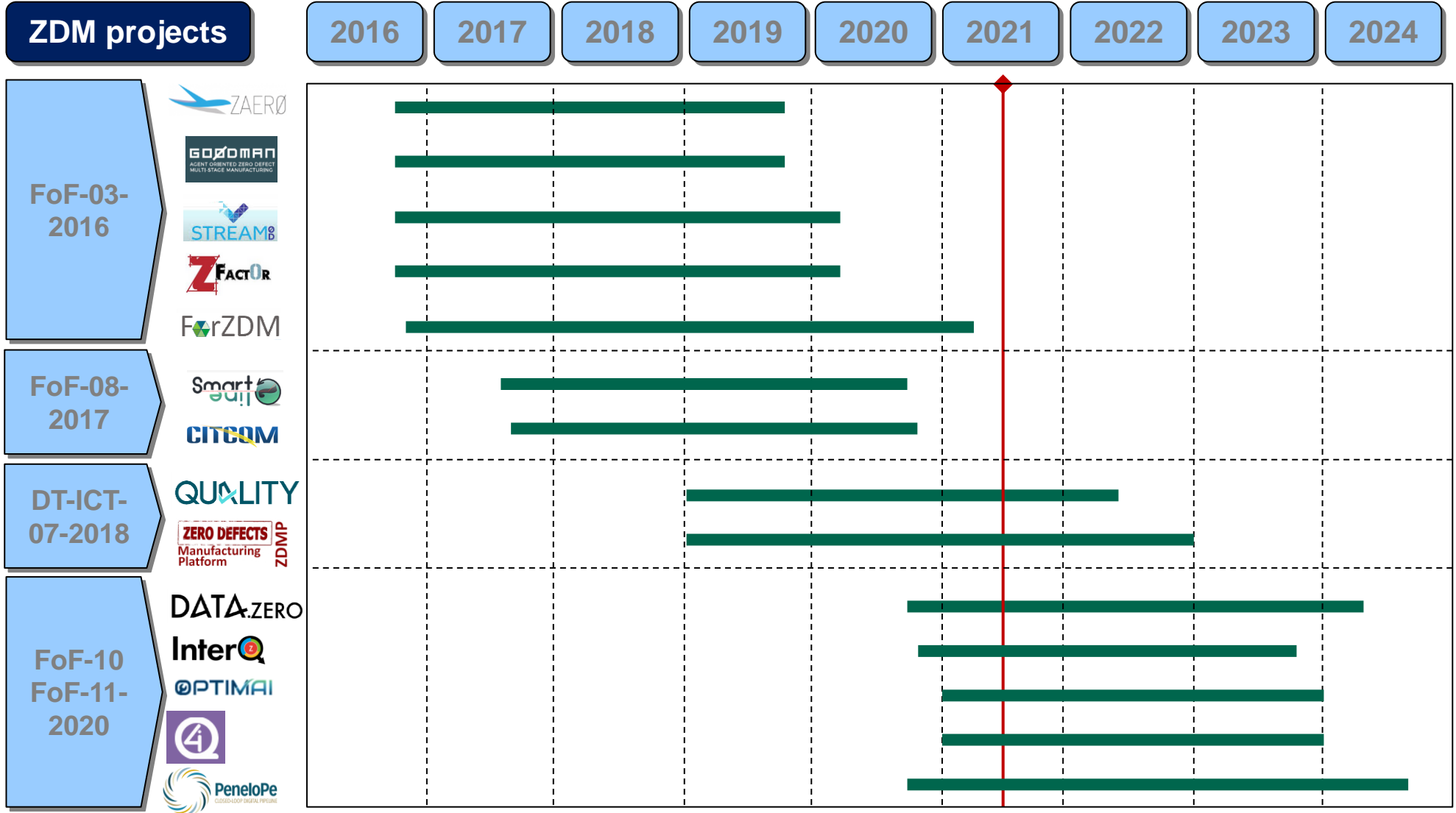
**Juanan Arrieta**  
**General overview of 4ZDM Cluster**  
*Webmeeting, 8<sup>th</sup> July 2021*

- **EC-projects momentum:** coexistence of completed ZDM projects, projects at midterm, and recently started projects
- **Political momentum:** transition between EU R&I Framework Programmes H2020-HE, continuation of partnership FoF as Made-in-Europe/MiE (continuation of a success story)
- **Technological momentum:** evolution of ZDM and current fit with “twin transition”:
  - Digital transformation at shopfloor domain (enhancement of ZDM techniques with AI, DSS, DLT/BC, data analytics, NDT inspection) – Framework of FoF-11-2020 topic
  - Green transformation (low carbon footprint, environmental impact, zero-waste technologies) and widening application domain (supply chain, LC approach) – Framework of HE-CL4-2021-TT-01-02 topic
- **Social momentum:** commitment with EU society at creation of digital skills and qualified jobs, making manufacturing attractive for young generations, paving the way for the excellence in manufacturing (keeping talent and avoiding brain drain)
- **New EC representatives:** convenience to keep in the loop the new EC representatives in charge of manufacturing technologies, and in particular, in charge of zero-defects manufacturing.

- To offer an **industrial perspective** of the current progress at EC-funded ZDM projects.
- **Quick update** of last ZDM projects with new enablers for the **digital transformation** (digital platforms, AI, data analytics, blockchain).
- **Advance on the green transformation**, with minimal reworks/scrap/waste and also considering circularity.
- **Progress on vision/paradigm/architecture** for the zero-defects manufacturing (ZDM) scenario – Advancing on the *“right at the first time and always right”* goal.
- **Quick contrast of ZDM visions & opportunities** with EC, EFFRA and Manufuture, in between two European R&I Framework Programmes (H2020 and HorizonEurope).

#	Time slot	Description	Speaker
0	9.00-9.05	Welcome and reception	
1	9.05-9.10	Workshop rationale and objectives Setting the scene (ZDM projects timeline, past ZDM waves, ZDM contribution to twin transition)	<ul style="list-style-type: none"> <li>• Juanan Arrieta (Ideko)</li> </ul>
2	9.10-10.00	5 <sup>th</sup> ZDM wave: recently started ZDM projects (FoF-11/FoF-10-2020) from the INDUSTRIAL perspective. Current status after first 6 months: <ul style="list-style-type: none"> <li>• INTERQ</li> <li>• DAT4ZERO</li> <li>• OPTIMAI</li> <li>• I4Q</li> <li>• PENELOPE</li> </ul>	<i>10min sharp per project</i> <ul style="list-style-type: none"> <li>• Mikel Armendia (Tekniker)</li> <li>• Daryl Powell (Sintef)</li> <li>• Nikolaos Dimitriou (Certh)</li> <li>• Tasos Karakostas (Certh)</li> <li>• Felix Vidal (Aimen)</li> </ul>
3	10.00-10.20	4 <sup>th</sup> ZDM wave: running projects on Digital Platforms for ZDM (DT-ICT-07-2018) from the INDUSTRIAL perspective. Current status after 2Y. <ul style="list-style-type: none"> <li>• QU4LITY</li> <li>• ZDMP</li> </ul>	<i>10min sharp per project</i> <ul style="list-style-type: none"> <li>• Jorge Lopez (Atos) or Angelo Marguglio (Eng)</li> <li>• Joao Sarraipa (Uninova)</li> </ul>
4	10.20-10.30	Digital Factory Alliance (DFA): first months of life and current status. Link with FORESEE Cluster	<ul style="list-style-type: none"> <li>• O.Lazaro, A.Zuluaga (Innovalia)</li> <li>• Sotiris Makris (LMS)</li> </ul>
5	10.30-10.35	Short pause	All
6	10.35-10.45	EFFRA's vision on ZDM: fit to Made-in-Europe SRIDA 2021-27, MiE Community Day and future opportunities for ZDM	<ul style="list-style-type: none"> <li>• Zeljko Pazin (EFRA)</li> <li>• Chris Decubber (EFFRA)</li> </ul>
7	10.45-11.00	Manufuture-HLG's vision on ZDM: fit with digital/green transition, contribution to EU resilience, context in post-pandemic times.	<ul style="list-style-type: none"> <li>• Arun Junai (MF subplatforms)</li> <li>• Engelbert Westkämper (Fh IPA)</li> </ul>
8	11.00-11.15	EC's vision on ZDM: opportunities in future workprogrammes under HorizonEurope. Valorisation and feedback	<ul style="list-style-type: none"> <li>• Laszlo Hetey (EC, HaDEA)</li> <li>• Sandro d'Elia (EC, DG-RTD)</li> <li>• Giulia Marzetti (EC, DG-RTD)</li> </ul>
9	11.15-11.30	Future ZDM perspectives, conclusions and wrap-up	<ul style="list-style-type: none"> <li>• Odd Myklebust (Sintef)</li> <li>• Marcello Colledani (Polimi)</li> </ul>
10	11.30	Meeting closure	

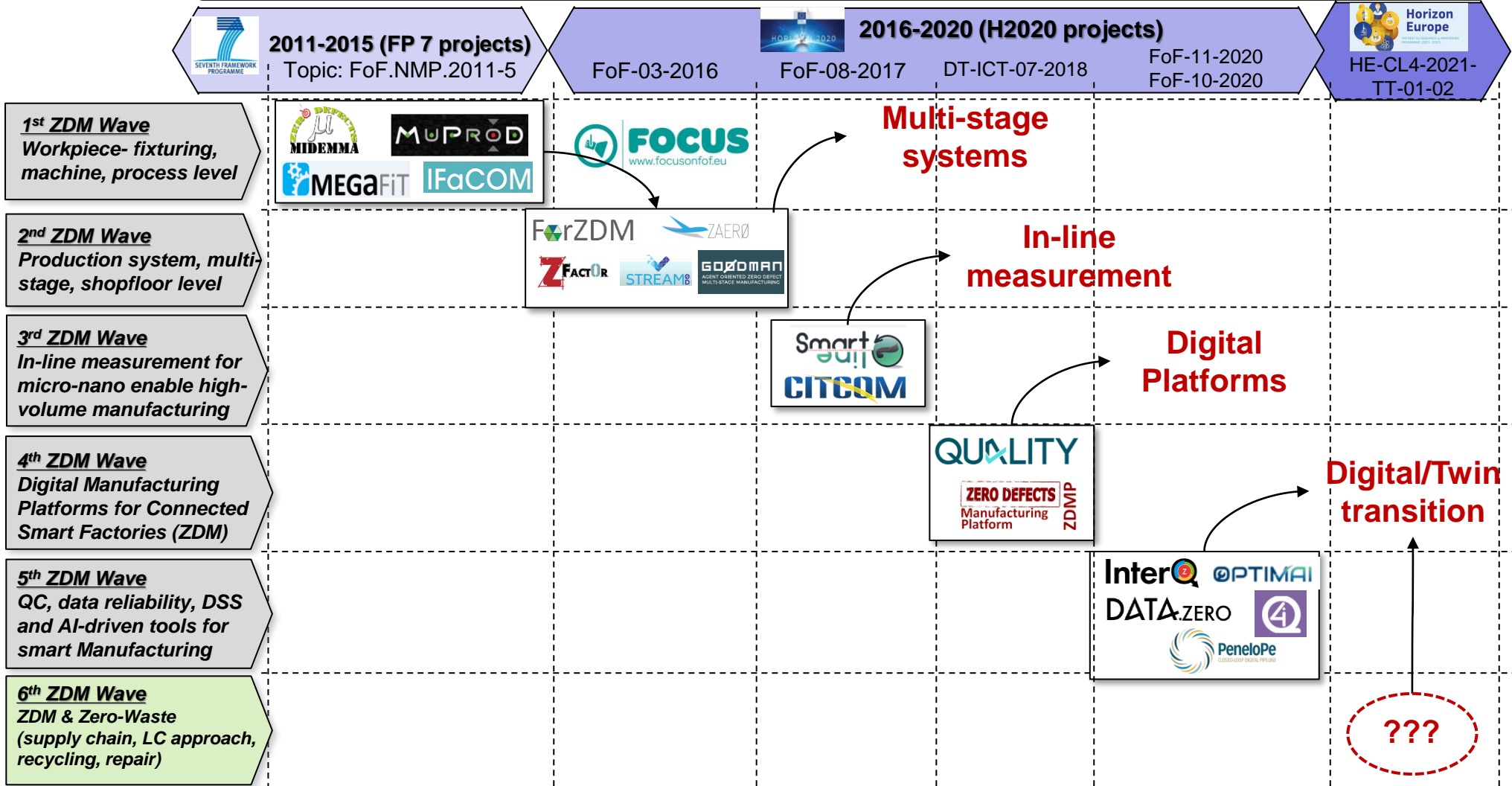
# Timeline of current ZDM Projects



© 4ZDM Cluster on "Zero-Defect Manufacturing"

# Growth of ZDM Projects Community

## Evolution of ZDM previous projects. Complementarity on addressed levels





Juanan Arrieta  
 IDEKO, Elgoibar (Spain)  
 International R&I Projects/Programmes Manager  
[jarrieta@ideko.es](mailto:jarrieta@ideko.es)