

Conference MŠMT „Results and support of co-operation in programmes EUREKA and EUROSTARS, Praha, 20 November 2019

Smart Advanced Manufacturing –
some selected information on the Cluster
Presented by Ivo Černý, SVÚM a.s.



INTER-EXCELLENCE



EUREKA eurostars™



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



- Clusters are one of the of tools of the EUREKA programme
- SMART Advanced Manufacturing Cluster was prepared and presented in Open Eureka Innovation Week in Barcelona on 18 May 2017
- Main institution and co-ordinator is Mondragón Corporation, Basque Contry, Spain, represented by Eduardo Beltrán de Nanclares, Director at Mondragón and Chairman of the Cluster Board





INTER-EXCELLENCE



EUREKA eurostars™



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



- SMART is a flexible, industry-driven EUREKA Cluster program in Advanced Manufacturing. The aim is to promote collaborative, international & close-to-market R&D&I projects in the field of advanced manufacturing technologies.
- As a EUREKA Cluster, SMART is grounded in Europe and open to worldwide participants from the Eureka Network.
- Advanced manufacturing is strongly addressed in most political agendas as a **key enabler** that will lead European society towards a higher **industrial competitiveness**, **sustainable growth** and **job creation**.



INTER-EXCELLENCE



EUREKA eurostars™



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



- SMART **vision** is to become the preferred program for international close-to-market R&D&I advanced manufacturing projects in the following sectors:



AERONAUTICS



AUTOMOTIVE



CAPITAL GOODS



RAILWAYS



CONSUMER DURABLES



OTHERS DISCRETE
MANUFACTURING
SECTORS



INTER-EXCELLENCE



EUREKA eurostars™



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



- **Manufacturing** is a vital sector in Europe, whose role is increasingly seen as fundamental towards European recovery and sustainable growth
- **Advanced manufacturing** is strongly addressed in most political agendas, not only in Europe, but all over the world, being one of the six Key Enabling Technologies (KETs) defined within the strategy Europe – 2020 in order to lead European society towards a higher industrial competitiveness, sustainable growth and job creation.



INTER-EXCELLENCE



EUREKA eurostars™



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



SMART 
advanced manufacturing

- SMART **approach** is in agreement with the EUREKA programme in general:



Close-to-market:
R&D&I



Open Community,
participation &
Decision Making



Inclusive: European
Industry, academia
and RTOs



SME involvement
R&D&I



**open and living
technology roadmap**



Bottom-up Projects

- SMART Cluster „supporting countries“:



Austria



Czech
Republic



Norway



Spain



Belgium
(Flanders
region)



Denmark



Portugal



Sweden



Finland (In
process)



Slovakia



Turkey



Chile



Lithuania



South
Korea



United
Kingdom



INTER-EXCELLENCE



EUREKA



eurostars™



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



- SMART Cluster „interested countries“:



Belgium
(Brussels
region)



Ireland



Switzerland



Canada



Israel



Germany



Russia



Hungary



Slovenia

- SMART Cluster calls – two-stages processes

1. Project outline (PO):

- Short overview of the concept, the objectives of the project and the partnership even if they are not entirely settled.
- This document allows early advice and feedback from the evaluation.
- This step is highly recommended, but participants may submit a Full Project Proposal straightforward



INTER-EXCELLENCE



EUREKA eurostars™



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



PO:

<u>1</u>	<u>PROPOSAL ONE-PAGE DESCRIPTION</u>
<u>2</u>	<u>PROJECT OVERVIEW</u>
<u>2.1</u>	<u>Rationale of the project</u>
<u>2.1.1</u>	<u>Project overall objectives</u>
<u>2.1.2</u>	<u>Project innovation and technology value chain</u>
<u>2.2</u>	<u>TECHNOLOGY AND OUTPUTS</u>
<u>2.2.1</u>	<u>State of the Arte (SoA) analysis</u>
<u>2.2.2</u>	<u>Technological Innovation regarding the SoA</u>
<u>2.2.3</u>	<u>Expected Outputs and quantified KPIs</u>
<u>2.3</u>	<u>CONSORTIUM OVERVIEW</u>
<u>2.3.1</u>	<u>Project Coordinator</u>
<u>2.3.2</u>	<u>Project Partners</u>
<u>2.4</u>	<u>CONSORTIUM TABLE</u>
<u>2.5</u>	<u>MARKET AND EXPECTED IMPACT</u>
<u>2.5.1</u>	<u>Cooperation added value: Business level</u>
<u>2.5.2</u>	<u>Cooperation added value: Technology level</u>
<u>3</u>	<u>IMPLEMENTATION - DESCRIPTION OF PLANNED WORK</u>
<u>3.1</u>	<u>PROJECT STRUCTURE & IMPLEMENTATION</u>
<u>3.2</u>	<u>MAIN MILESTONES</u>
<u>4</u>	<u>COST INFORMATION TABLE</u>
<u>5</u>	<u>RATIONALE FOR SMART PROCEDURE AND PUBLIC FUNDING</u>

- SMART project proposal is a challenge and adventure...
- Examples from the First Call:



- Total Participating Countries: 10
 - Supporting Countries: 8
 - Interested Countries: 2

- Number of POs: 34 – 09/03/2018
- Number of FPPs: 26 – 11/06/2018
- **Number of FPP Labelled : 20**
- Total Cost: 39 M€
- Number of Participating Organizations: 104

FPP

- 2 - 5 M€
- 4-5 participants
- 2-3 countries
- 30 months



INTER-EXCELLENCE



EUREKA eurostars™



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



- SMART project proposal is a challenge and adventure...
- First Call labeled projects overview:

No funding application received yet

Funding approved

Funding application received is complete and eligible (under evaluation)

Funding application received but some additional information needed

Funding application received and rejected

Project withdrawn



INTER-EXCELLENCE



EUREKA eurostars™



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



- SMART project proposal is a challenge and adventure...
- First Call labeled projects overview February 2010:

	Belgium	Czech Republic	Germany	Ireland	Portugal	Slovakia	South Korea	Spain	Sweden	Turkey	PCA	Starting Date
S0101 - C-PALS							jun-19		nov-18			01/05/2019
S0102 - ADVANCENERGY		jan-19					jun-19	may-19				01/05/2019
S0103 - NOVCOMP												-
S0104 - Flex-TOOL			apr-19			may-19		may-19				
S0105 - CLUMOSE					feb-19			3M				01/03/2019
S0106 - CryoMach	feb-19							may-19	nov-18			01/02/2019
S0108 - AMShoes							jun-19	may-19				01/05/2019
S0109 - CAMBER								may-19	nov-18			24/01/2019
S0110 - EDM-Additive								may-19	nov-18	mar-19		01/02/2019
S0112 - I-GRIND			apr-19							3M		
S0113 - REMEDI								may-19		apr-19		
S0115 - LASTEMP		jan-19						may-19				01/02/2019
S0117 - DDMS								may-19				01/01/2019
S0118 - AFMAC												
S0119 - HANDLE-IT					???			may-19				
S0120 - COMACH								may-19	nov-18	may-19		
S0125 - AdAM					29-mar?			may-19				01/09/2019
S0129 - AddDies		jan-19			feb-19			feb-19				01/04/2019
S0131 - APEM-AM				???				may-19				
S0135 - SMARTCON					???			may-19				01/06/2019

For more information please visit

www.smarteureka.com