



EUREKA Clusters

Marek Valdmann, BIC Ostrava s.r.o.

Ministry of Education, Youth and Sports

Prague, 20 November 2019

EUREKA Clusters

- strategic initiatives operating since 1998 within the EUREKA network
- proposed and led by industry, developing generic technologies of key importance for European competitiveness.
- focused on business-oriented innovation in a specific domain

/the word 'cluster' is often used in the context of regional clustering, but this is not the same as EUREKA Clusters/

- EUREKA Cluster projects, funded through public-private partnerships, can build alliances between large companies, SMEs, universities research organisations and public authorities

EUREKA Clusters

Opportunities for funding trans-national R&D&I consortia
In a fast and efficient way within a global network

Projects initiated by industry in line with national priorities
Agile and flexible project support

A community of the best companies and knowledge institutes
Aiming at economic impact via research and innovation

Opportunity to integrate along the whole value chain
Involving end-users, labs, startups, SMEs and large companies

Support of experts with an industrial viewpoint
To ensure project relevance and quality



Societal impact

Through employment, education and addressing societal challenges



Economic impact

Through creating new products, new processes, new materials and new services in Global markets



Innovation impact

Through new IP, standards and pushing the State-of-the-Art



Ecosystem impact

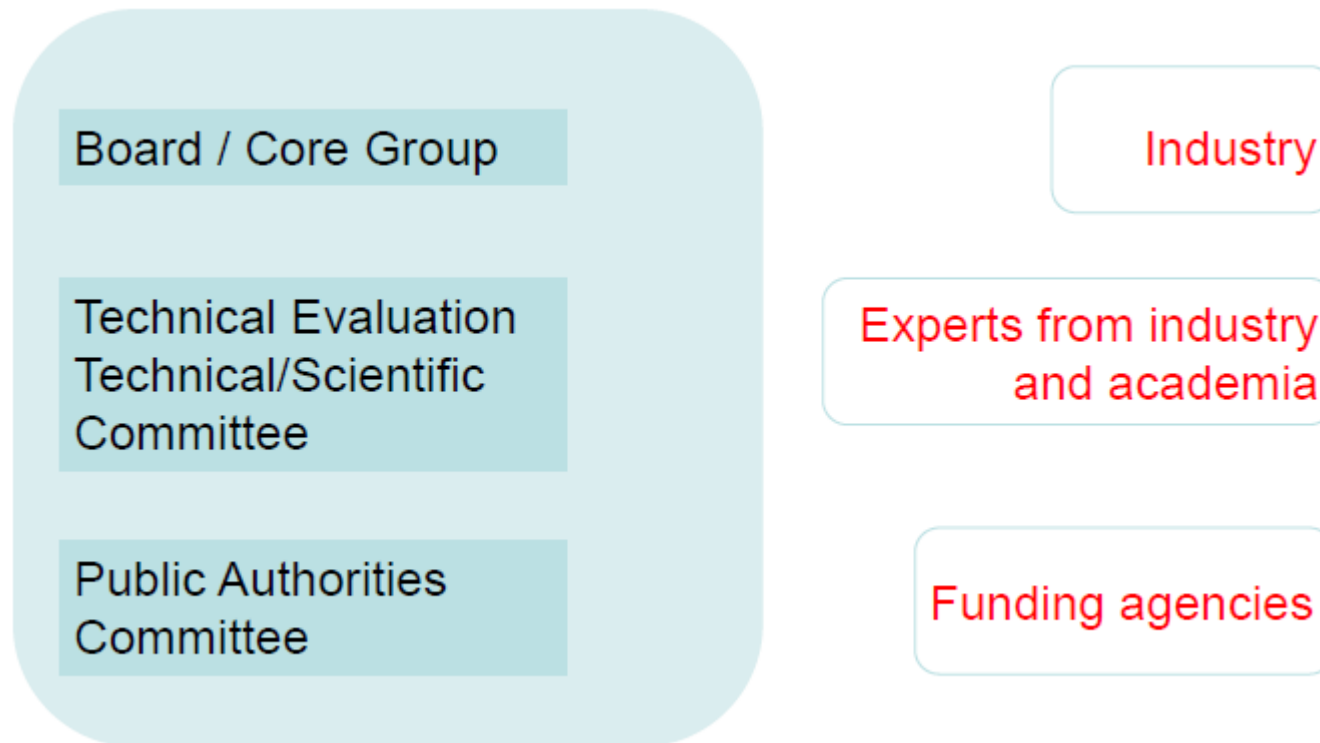
Through the development of new partnerships, supply chains and opportunities for growth



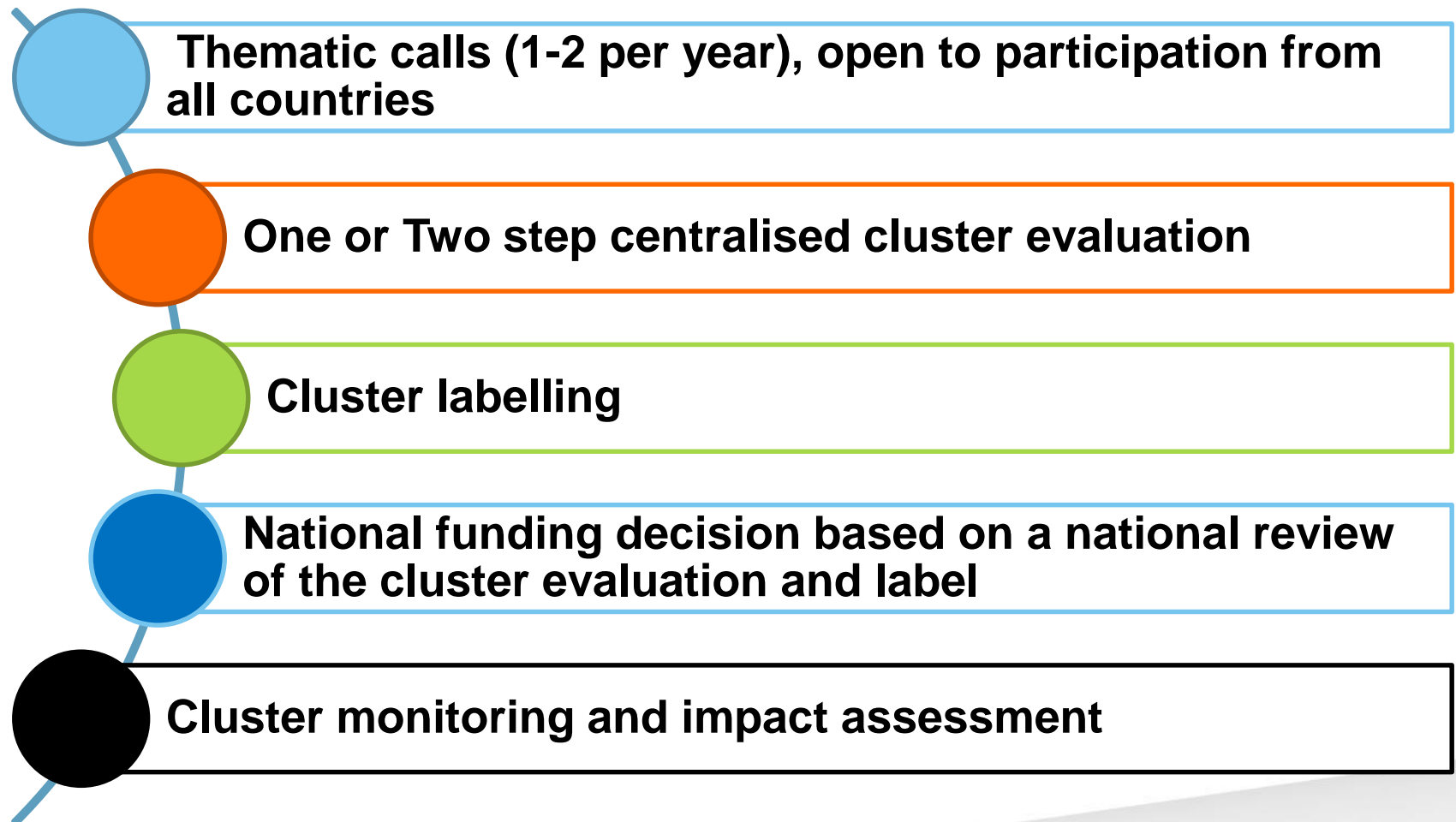
Increase speed and decrease risk

On innovation and new products

EUREKA Clusters Infrastructure



Operation of Clusters





Micro and Nano electronics
enabled systems and applications



Advanced manufacturing
program



Telecommunications



Smart electronic systems



Low carbon energy
technologies



Software intensive systems
and services



New Cluster on Metallurgy

A typical Cluster project



2–14 participants



3-4 countries



average duration

30 months

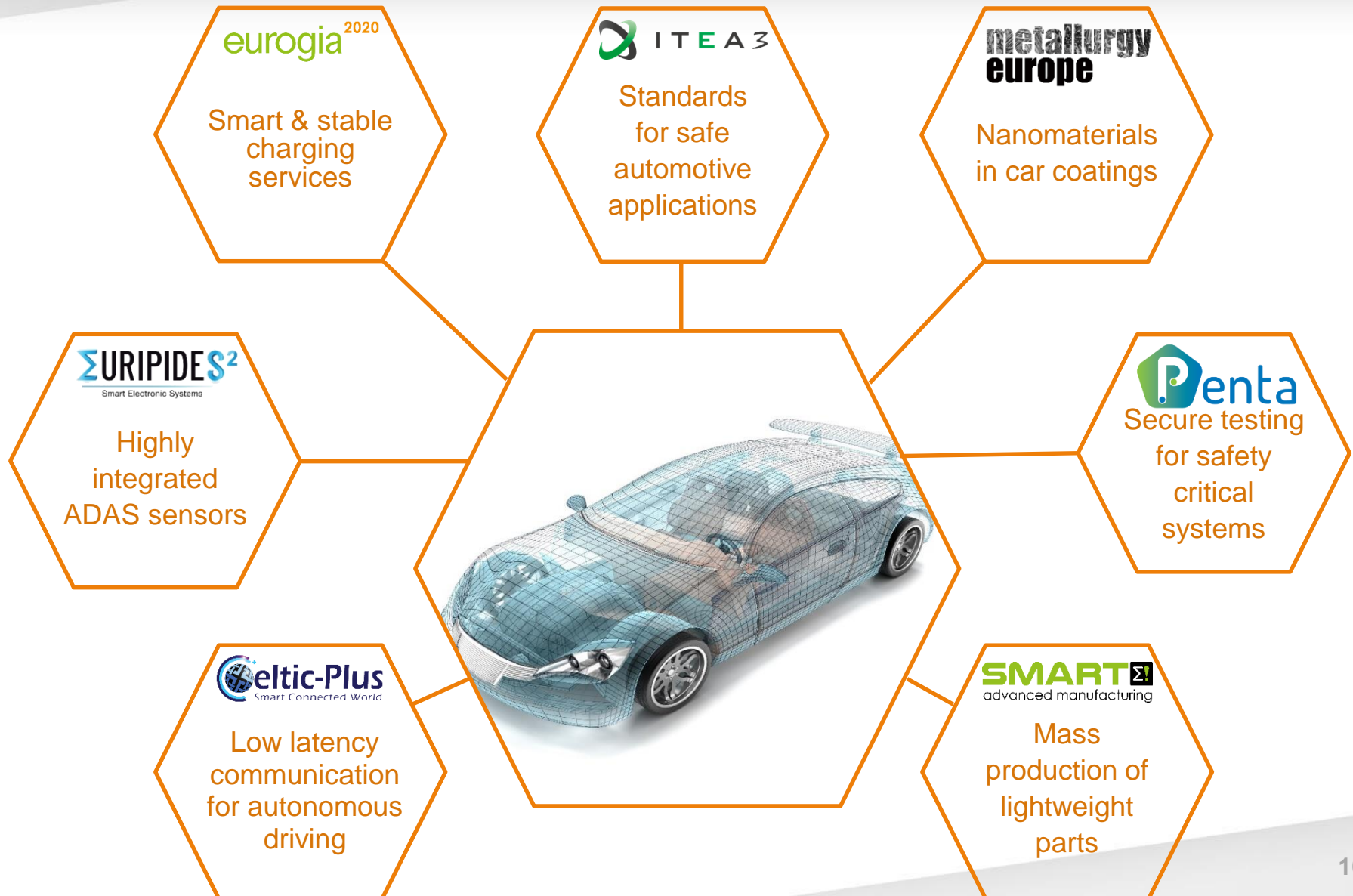


average project cost

€1.5 - €15 million

Basic steps in setting up a EUREKA Cluster project

- Develop a project idea
EURIPIDES - Electronic Components and Systems (ECS Collaboration tool)
- Look for partners or other project ideas
Partner search tools, cluster information days, ...
- Select a Cluster
Ask for help, contact cluster secretariat, ...
- Submit proposal:
One or two steps / stages
- Get cluster „LABEL“
Enables partners to apply for national financial support



Czech Republic's participation in EUREKA Clusters (1998-2019)

EUREKA Clusters: 16

PIDEA, SCARE, ITEA, FACTORA DNA, MEDEA+, PIDEA+, ITEA-2, EURIPIDES, **EURIPIDES-2, EUROGIA 2020, CATRENE**, CELTIC, **ITEA-3, CELTIC plus, PENTA, SMART**

Number of EUREKA Cluster projects: 28

Number of organisations: 46

Project example



Project start: 01. 05. 2010
Project duration: 4 years

Project finish: 30. 04. 2014
Project budget: 3,02 M€

Project objectives

- Development of a new generation of printing process: ultra thin film deposition below 1 µm, printing on alumina, silicon and textile substrates.
- Development of functional building blocks of the wearable micro system for smart protective clothing and similar applications including system communication.
- Smart system integration into firemen suits and other applications.

Consortium overview

TESLA BLATNA, a. s. Czech Republic – project leader
G.BOPP + CO. AG, Switzerland
BVK Hradec Kralove, s. r. o. Czech Republic
CEA Leti, France
Kissel + Wolf GmbH, Germany
Microcircuit International, France
University of West Bohemia, Czech Republic



Czech Republic's support in setting up a future EUREKA Clusters strategy

EUREKA Clusters

- are recognised tools for Innovations
- represent 70% of the budget of EUREKA project portfolio

SO

the dialogue carried out by the Dutch Chairmanship on the future of the EUREKA Clusters is necessary

BECAUSE

- ongoing market changes and new challenges
- new possibilities in R&D&I collaboration mechanisms
- decline of public-private investments in several Clusters

That is why

now is right time to start review of the present Cluster concept and discuss a new Cluster model for the future

Czech Republic's support of setting up a future strategy for EUREKA Clusters

- Cluster vision and new cluster model could
 - **follow** principles reflecting the strengths and best practises of the existing Clusters
 - **bring** new actions leading to strong and simple cluster ecosystem
 - **keep** the system easy and close business

Introduction

BIC Ostrava s.r.o.

Since 1993

- Business and Innovation Centre, member of European Business and Innovation Centre Network since 1996
 - Science and Technological Park and Business Incubator
 - premises of 25.000 m², support of creation and development of innovative companies
 - Consultancy services
 - advisory support through all project life cycle

BIC and EUREKA

Why? - simple, close-to-market, result-oriented

Since 2000 - cluster participation

- DNA (2000), PIDEA, PIDEA+, EURIPIDES

BIC Ostrava EUREKA project support

NETWORK PROJECTS

E!1867 CONMOD (1999) E!2195 ASYNUD (1999) E!1968 ROBCRANE (1999) E! 2379 WOODPROG (2000)
E!2320 INFRADOK (2000) E!2519 PHYTOREPOSOIL (2001) E!2518 OPTITRAC (2001) E!2515 DYNTEST
E!2730 DIECO (2001) E!2717 DESTHERM (2002) E!2923 DIASHOE (2003) E!3107 VIBRODYN (2003)
E!3157 BIOPACK (2004) E!3159 EKOEXTREM (2004) E!3154 BENCHMARKING PORTAL (2004)
E!3158 CLIDAP-WEB (2004) E!3119 GISFORRD E!3120 SPECIFURN (2005) E!3404 DIRENG (2005)
E!3454 CHLORCAT (2005) E!3860 AUTOMATIC 3-D DESIGN (2006) E!3850 ANTINOISEFLUIDSYSTEM (2007)
E!3830 EURIPIDES (2006) E!5834 PAFA2020 (2011) E!5838 PREDICTUS (2011) E!6842- D3S-SOASOFT(2012)
E!7159 RHM01 (2012) E!8728 EURIPIDES² (2013) E!8021 3D-BIM WOODEN HOUSES (2013) E!8734 PBT TA (2014)
(2015): ACT-BV, HYBRID-PLM, NEWGENISEM, PREDICTUS II, TEST-CAT, 3D-CRANI-ORT
RS2527 (2017), QUARTFLUIDRIVE (2019)

CLUSTER PROJECTS

DiALoGS, INTEX, ASES, ADVANTEX, COM_KIT, ADORAS, BOB, MARS, EDDEMA,



Thank you for your attention

valdmann@bicova.cz

BIC Ostrava s.r.o.