

Save the date

BURGOS, 5th, 6th & 7th of October 2016

Industrial Workshop and Standardization



INNOVATION TOWARDS TECHNOLOGY



FOR EXTREME CONDITIONS INDUSTRY



UNIVERSIDAD DE BURGOS



OBJETIVES

Integrate the Circular Economy policy at the regional level, in the "extreme conditions" industry, paying attention to concepts like sustainability, resource efficiency, the dependence of critical raw materials, the "smart industrial city", and catalysis of the entrepreneurship.

To integrate European regions with a high potential of industrialization and innovation, at time that consider the high exigency industry as key target within their RIS3, in a transregional EU strategy.

Create a dedicated platform targeting a transregional catalysis of innovation, entrepreneurship, commerce and business opportunities for the industrial sector "working under extreme conditions".

Create a European large scale alliance of mirroring regions & a specialized network of knowledge to boost innovation towards strategic sectors (automotive, aerospace, and energy production), that are considered the core of the EU industrial engine.

Identify the current needs, possible solutions and common plans to overcome technological and socio-economical barriers to foster the high exigency industry & discuss varying views on standardization and how standards are applied in the high exigency industry.

Organizers:

ICCRAM-University of Burgos

SUPERMAT – H2020-TWINN-2015. GA: 692216

COST – CRM-EXTREME: CA15102

Science and Technical Coordination:

Dr. Santiago Cuesta López, ICCRAM Director; COST CRM_EXTREME

Dr. Roberto Serrano; ICCRAM

Dr. Antonio Rinaldi; ENEA

Dra. M. Letizia Ruello; COST CRM_EXTREME



UNIVERSIDAD DE BURGOS



CRM-EXTREME



5th OCTOBER

8:30 - 9:00 Registration
9:00 - 9:15 Institutional opening
9:15 - 9:45 Key note presentation: *Importance of the high exigency industry and the extreme conditions technology innovation in Europe*. MINECO. Spain.
9:45 - 10:15 Key note presentation: *High exigency engineering as the innovation engine of Castilla y León and the city of Burgos*.

Specialized session I: *Regional Smart Specialization technology development and the extreme conditions industry*

10:15 - 10:45 Case study: RIS3 in the region of Bucharest-Ilfolv (Rumania)

10:45 - 11:20 Coffee break

11:20 - 11:50 Case study: Regional specialization strategy and clustering high level technology industry (Finland)

11:50 - 12:20 Case study: Aerospace activity and specialization in the region of Lazio (Rome)

12:20-12:50 Case study: Aerospace activity and specialization in Hungary.

12:50-13:00 Wrap up & conclusions of EU RIS3 needs

Session: *European Activity in research, development and innovation of technology for engineering under exigent conditions*

13:00 - 13:20 ICCRAM a competence center exploring the forefront technology for extreme conditions. ICARUS FET-OPEN PROJECT.

13:20 - 13:40 SUPERMAT: towards an European Competence Center for the high exigency industry

13:40 - 14:00 COST CRM_EXTREME: Solutions for Critical Raw Materials Under Extreme Conditions.

14:00-16:00 *Networking lunch and informal technology showroom*

Session: *Industrial development, standards, technology challenges and needs of the industry working under extreme conditions: Aerospace*

16:00-16:20 ESA

16:20-16:40 ALENIA SPACE

16:40-17:00 Grupo ACITURRI

17:00-17:20 GMV

17:20-17:40 DIAD GROUP

17:40-18:00 AIRBUS

18:00-18:30 Wrap up, conclusions. Summary of needs of the aerospace sector. Discussion about how to integrate the innovation needs into the regional policy and dynamizing policy

20:00 *Conference Cocktail Dinner*

6th OCTOBER

8:30 - 9:00 Registration
9:00 - 9:10 Welcome and opening of the session
9:10 - 9:40 Key note presentation: *Innovation catalysis in the manufacturing and tool makers industry. The MANUKET platform*
9:40-10:10 Key Note presentation: AENOR/ISO - *Importance of standardization in the innovation of technology for the automotive, aerospace and manufacturing sectors*

Specialized session II: *Industrial development, standards, technology challenges and needs of the industry working under high exigency: components, tools and machinery industry*

10:10 - 10:30 Hiperbaric

10:30 - 10:50 Nicolas Correa

10:50-11:30 Coffee break

11:30 - 11:50 Pascoe Engineering

11:50-12:10 DOLMEN

12:10-12:30 HONEYWELL

Specialized session III: *Industrial development, standards, technology challenges and needs of the industry working under high exigency. Energy production.*

12:30 - 12:50 EUROPEAN TURBINE NETWORK

12:50- 13:10 VAREL

13:10 - 13:30 REPSOL

13:30 - 13:50 ENSA

14:00-15:30 *Networking lunch and informal technology showroom. 5 minutes pitch show for SMEs and entrepreneurs*

Pitch-show: 15:30 - 16:30 (coffee + dessert)

COST CRM_EXTREME poster session I: "Excellence and forefront research for the high exigency industry and materials under extreme conditions"

Call for Abstracts: <http://www.crm-extreme.eu>

Session : *Standardization in materials and processes for the high exigency industry.*

16:30-17:00 Importance of standardization in the manufacturing, components and tool makers sector

17:00-17:30 Exigent conditions and standards in aerospace technology

17:30-18:00 Accreditation importance in the Energy sector

18:00-18:30 Wrap up, conclusions. Summary of needs of the energy, manufacturing sector.

Discussion about how to integrate the innovation needs into the regional policy and boosting policy.

20:00 *Closure Dinner*

7th OCTOBER

COST ACTIONS CRM_EXTREME

Solutions for critical raw materials under extreme conditions

9:00-10:00 **PLENARY SESSION:** The relevance of critical raw materials in the high exigency industry.

10:00-14:00 Brain storming parallel sessions

Coffee break at 11:00-11:40

COST CRM_EXTREME poster session II: "Excellence and forefront research for the high exigency industry and materials under extreme conditions"

Call for Abstracts: <http://www.crm-extreme.eu>

WORKING GROUP 1: *Understanding the role of CRMs.*

WORKING GROUP 2: *Design and materials production*

WORKING GROUP 3: *Industrial validation*

WORKING GROUP 4: *WORKING GROUP 4: Value chain impact .*

For the specific Working Group Program, check: <http://www.crm-extreme.eu>

14:00-15:30 **Lunch**

15:30-18:30 **SATELLITE SESSIONS.**

Task force 1: *on future national and international projects under the scope of COST Action CRM-EXTREME*

Task force 2: *on future Training School under the scope of COST Action CRM-EXTREME*

