

# **CLASSIFICATION MATCHES**

## **1. CONSTRUCTION HISTORY AND PRESERVATION**

- 1.1. History of construction
- 1.2. Tools and methods for knowledge and graphic representation
- 1.3. Construction techniques and performance in existing buildings
- 1.4. Sustainable retrofitting of modern and pre-modern heritage
- 1.5. Management and economic development of building heritage
- 1.6. Memory and knowledge of the built heritage on a land, urban and building scale
- 1.7. Technical and performance characterization and diagnostics
- 1.8. Urban renewal

## **2. CONSTRUCTION AND BUILDING PERFORMANCE**

- 2.1. Sustainability in product, design and process innovation
- 2.2. Digitalization, robotics and industrialization for sustainable buildings
- 2.3. Low-cost and low-carbon architecture
- 2.4. Methods and techniques for the building management and monitoring
- 2.5. Unconventional sustainable building materials and techniques
- 2.6. Information collection and management and Big Data
- 2.7. Building efficiency and User-Centered Design
- 2.8. Smart building/city

## **3. BUILDING AND DESIGN TECHNOLOGIES**

- 3.1. Sustainability principles and practices for building reuse and renovation
- 3.2. Tools for building design and management
- 3.3. Integrated design process
- 3.4. Architecture for emergencies
- 3.5. Participatory processes (design and construction)
- 3.6. Humanisation of spaces, Universal Design and social inclusion
- 3.7. Computer Aided Design
- 3.8. Building Information Modeling