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New Pathway of LEAPS Facilities into the Post-Corona Era

Transforming LEAPS Research Infrastructures to more resilience towards pandemic crisis situations supporting the European society in infection fight and in developing a circular economy within the scope of the European Green Deal and Missions of Horizon Europe

Strategic Elements:

A) Resilient and Energy-saving Operation of LEAPS Research Infrastructures

LEAPS accelerator operation: ML and AI concepts

B) Digital user operation

Remote user operation

Standardization, various remote levels, industry

Improved remote access of all communities in all 27 countries

("Democratization of LEAPS", digital concepts in integration of neighbouring countries)

C) Advanced Materials for the Digital Transformation and for the Circular Economy

Insitu-, operando-, custom-made analytical tools for the design of new materials

for the quantum technologies, energy materials, recyclable plastics, in respect of EGD and the five Missions of Horizon Europe Green Deal

D) Molecular Infection Fight

Prepare for future pandemics

Drug screening, tissue imaging,

E) Advanced Digital communication

LEAPS International

LEAPS Twinning

LEAPS Integration

F) Digital Training concepts

New ways of virtual training schools: pupils, students, users, industry