



Circular economy for biodiversity Unlocking the green potential

*Skills for sustainable,
resilient, and socially
fair communities*

**EUROPEAN
YEAR OF
SKILLS**



Date

June

5

3-11 June 2023

**#EUGreenWeek
PARTNER EVENT**



NATIONAL INSTITUTE OF CHEMISTRY

Short intro

- Public research organization with 75-year tradition
- Organizational structure
 - 9 Departments (2 Infrastructural centers – NMR & CVTA)
 - 384 employees
 - 120 PhD students
- Located in Ljubljana, Slovenia



Expertise

With excellent research...

Biotechnology

Life sciences research

Analytical chemistry

Nanotechnology

Food chemistry



Energy

Theoretical and structural chemistry

Chemical engineering

Materials research

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areas of research



...we create new knowledge and help solving societal challenges.

Topic and project idea (edit)



TOPICS - AREAS:

- Design and performance monitoring of chemical reaction /reactor engineering/multi-scale process modelling to new emerging challenges
- Chemical (process) engineering, reactor and unit operation design and construction, as well as multi-scale process modelling
- Biomass valorization to bio-based compounds: lignin, cellulose, hemicellulose, aromatics, hydroxymethylfurfural, furfural, etc.
- Biodegradable polymers for various applications
- Materials - Synthetic Polypeptide Scaffolds



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