

Gospodarska
zbornica
Slovenije



Chamber of Commerce
and Industry of Slovenia



Proceed with *proceed*



Naprej s ProCeedom

Ljubljana, 5.6.2013



PROmotion and coordination
of environmental research in
Central and
Eastern
Europe for sustainable
Development

Towards
Industry
Private research centres

Air Pollution
Chemical pollution
Environmental tech.

Benefits for companies

Database of innovative companies

*Research Collaboration
Joint projects*

Dissemination of latest RTD results



CEE region

Open calls

Air Pollution

Chemical pollution

Environmental tech.

**(currently Eco
Innovation)**

Promotion

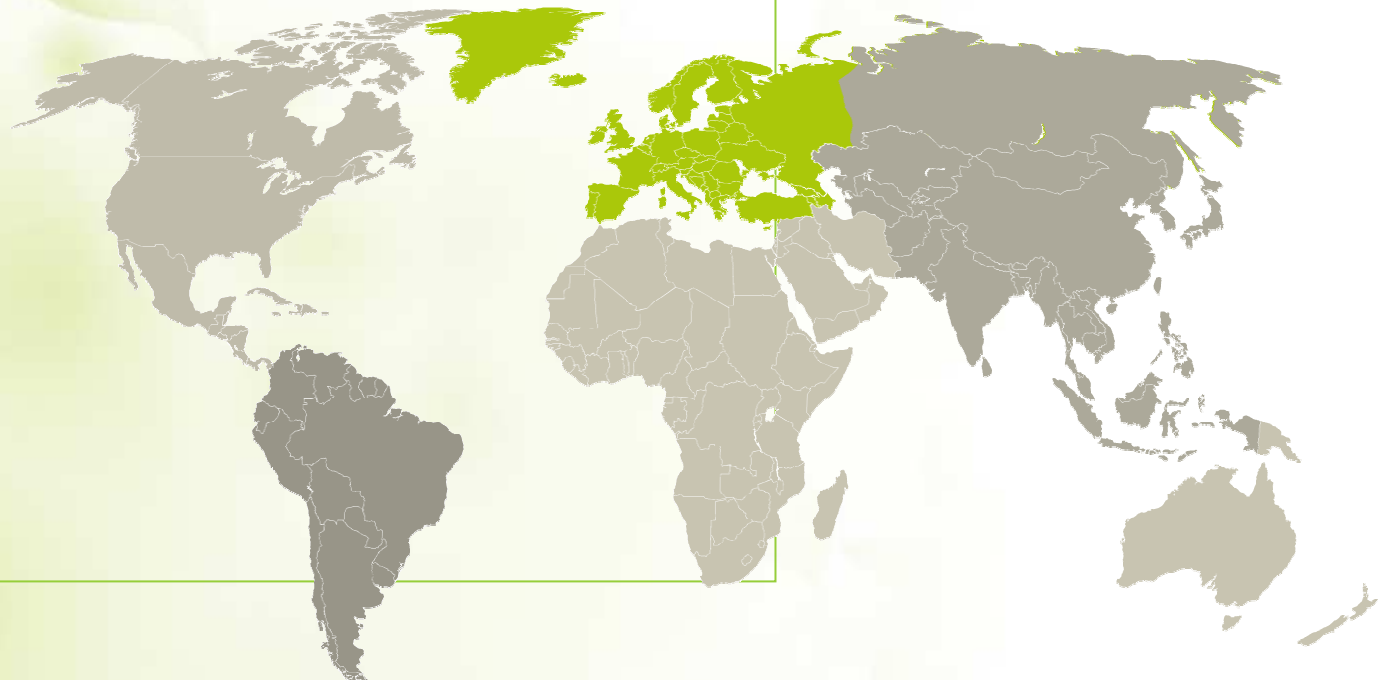
(partner search)

Partnering

Technology offers and requests

Project partner search

Knowledge offers and requests



Dissemination

Among partners, collaborating in the

Through social media



<http://www.proceed-rsn.eu/howto.html>

About Proceed

PROMotion and coordination of environmental research in Central and Eastern Europe for a sustainable Development....[\(read more\)](#)

About Us

News Digest

Stay informed on our latest news, subscribe to our News Digest.

Calendar

June 2013						
<	Mon	Tue	Wed	Thu	Fri	>
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6

(Highlighted Event) ENVIMPACT TRANSNATIONAL CONFERENCE: EXPERIENCES ON BEST PRACTICES TOWARD HORIZON 2020 (April 23 2013)

CEE Research Results

- ▶ The development of selected hazardous wastes utilization technologies, based on Microwave Thermal Treatment (MTT) method (February 23 2013)
- ▶ How to achieve sustainable water ecosystems management connecting research, people and policy makers in Europe (February 28 2013)
- ▶ Development of the technology of ferrates (FeO4²⁻, FeO4³⁻) production, powerful environmentally friendly oxidants (November 18 2011)
- ▶ The irreversible immobilization technology of heavy metals in the soil for pollution reduction, (September 20 2011)

Project News

- ▶ CO2 emissions from new cars fell further in 2012 (May 10 2013)
- ▶ Strategy 2020 and beyond (May 29 2013)
- ▶ Publication of presentations delivered in the frame of the ENVIMPACT Trainings (April 24 2013)
- ▶ ENVIMPACT TRANSNATIONAL CONFERENCE: Experiences on best practices toward Horizon 2020 (April 24 2013)

Project Funding

ENVIMPACT and PROCEED are projects co-funded by the European Commission through the Seventh Framework Programme (FP7)

Under grant agreement n°265275
 Acronym: ENVIMPACT
 Full title: "Increasing the Impact of Central-Eastern European environment research results through more effective dissemination and exploitation"

Videos

▶ AUTONOMOUS PRESENTATION OF THE ENVIMPACT PROJECT

Environment RSS Feeds

▶ The website of the CEE environment research results

Development of the technology of ferrates (FeO₄²⁻, FeO₄³⁻) production, powerful environmentally friendly oxidants



Profile Reference: Serbia -PUPIN00766

Published 18 November 2011 by: [Dejan Paunovic](#) INSTITUT MIHAJLO PUPIN



Research subject is the development of electrochemical process of ferrates(VI) (FeO₄²⁻) synthesis, as ecologically friendly oxidant species (redox potential 2.2 V in acidic solutions) utilized for application in the water treatment processes as oxidants, coagulants and flocculants.

Research topic and achieved research result

The aim of project is development of the process of electrochemical synthesis of ferrate(VI) in form of Na, K, Ba, and Ag salts, and development of laboratory pilot-plant based on electrochemical flow-through cell for their synthesis.

In line with posed project targets the following key results are obtained:

- the influence of key factors of ferrate(VI) electrochemical synthesis is explored;
- the materials for construction of electrodes, membrane and other parts of pilot-plant are chosen;
- the laboratory pilot-plant for continual production of ferrate(VI) solution, based on the flow-through membrane cell, is designed and manufactured;
- the parameters and power regime of the electrochemical process of ferrate(VI) solutions production, with appropriate concentration for direct application in water treatment processes, are determined and
- the efficiency of obtained ferrate(VI) solutions in water treatment processes successfully demonstrated.

Partnership (information on names and nationalities of the organizations involved)

Organisation

Country

HIS Materijali Beograd

Serbia

Next months ...



ECO-INNOVATION
WHEN BUSINESS MEETS THE ENVIRONMENT

Good for Business
Good for Environment

Financed projects (SI)



eco-innovation

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[Overviews and analyses](#)

Results

You searched for: Country: **Slovenia**



9 results found		Page: 1		Results/page: 10 25 50	
Name ▼ ▲	Sector ▼ ▲	Website	Downloadables	Layman's report	End date ▼ ▲
ACE - ADVANCED PRE-COMMERCIALIZATION OF ECO RUBBER (ACE)	Recycling				24/06/2013
BACOM - SUSTAINABLE PRODUCTION OF COMPOSITE CONSTRUCTION MATERIALS (BACOM)	Buildings and Construction				06/09/2013
Conversion of paper mill sludge into absorbent (CAPS)	Recycling				31/08/2012
Decentralised humus production by emissions reducing and controlled waste treatment (DE-HUMUS)	Food and Drink				01/09/2014
ECOLOGICAL WOODEN WINDOW INSULATIN (ECO-S)	Buildings and Construction				27/11/2014
FRIT-REC - INTEGRATED TECHNOLOGY FOR THE REUSE OF WASTE LIME FROM THE PRODUCTION OF CERAMIC COMPOUNDS (FRIT-REC)	Recycling				01/10/2013
Laminated strong eco-material for building construction made of cellulose-strengthened wood (CELLUWOOD)	Buildings and Construction				01/09/2014
Marine debris removal and preventing further litter entry (MARINECLEAN)	Recycling				31/10/2014
USED TYRES VALORISATION AS LIGHTWEIGHT FILLER FOR EMBANKMENTS (RECTYRE)	Recycling				30/06/2011

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eco-innovation
WHEN BUSINESS MEETS THE ENVIRONMENT

Eco-I versus FP 7 Research

- **Post research**
- **Adaptation for market uptake**
- **Industrialisation**
- **First commercial deployment**
- **Market demonstration**

- **Basic research**
- **Applied research**
- **Prototyping/first practical use of technology**
- **Technology demonstration**
- **Knowledge gathering**



Kateri projekti NISO primerni?

- Projekti v fazi bazičnih raziskav in razvoja (vse faze do delujočega prototipa, tehnične demonstracije).



- Projekti s področja kmetijstva
(lahko interdisciplinarni projekt, npr. eko umetno gnojilo)

- Projekti s področja energetike
(učinkovita raba energije oz.
energetska učinkovitost).



Informacije o Eco Innovation programu:



ECO-INNOVATION
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Kontakti na GZS:

Simona Rataj

Antonija Božic Cerar

Janja Leban

E-naslov: Simona.Rataj@gzs.si