



**WHEN NATURE GAVE US SO MUCH WEALTH
IT IS OUR DUTY TO PRESERVE IT FOR FUTURE GENERATIONS**



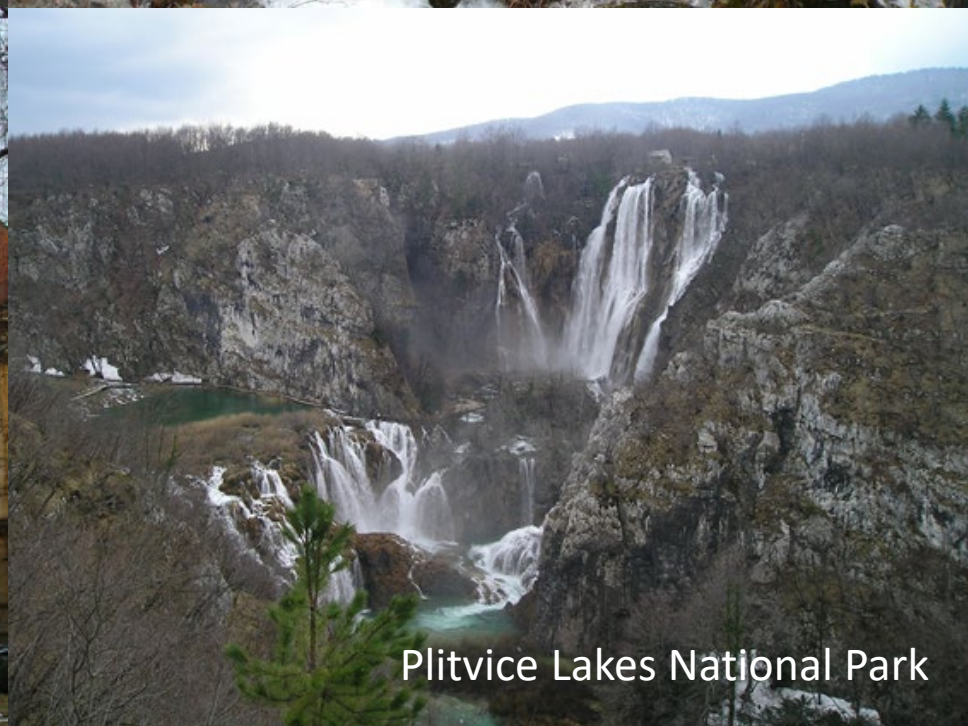
Chengdu Institute of Biology
Chinese Academy of Sciences



Jiuzhaigou Valley



University of Zagreb, Faculty of Science,
Department of Biology



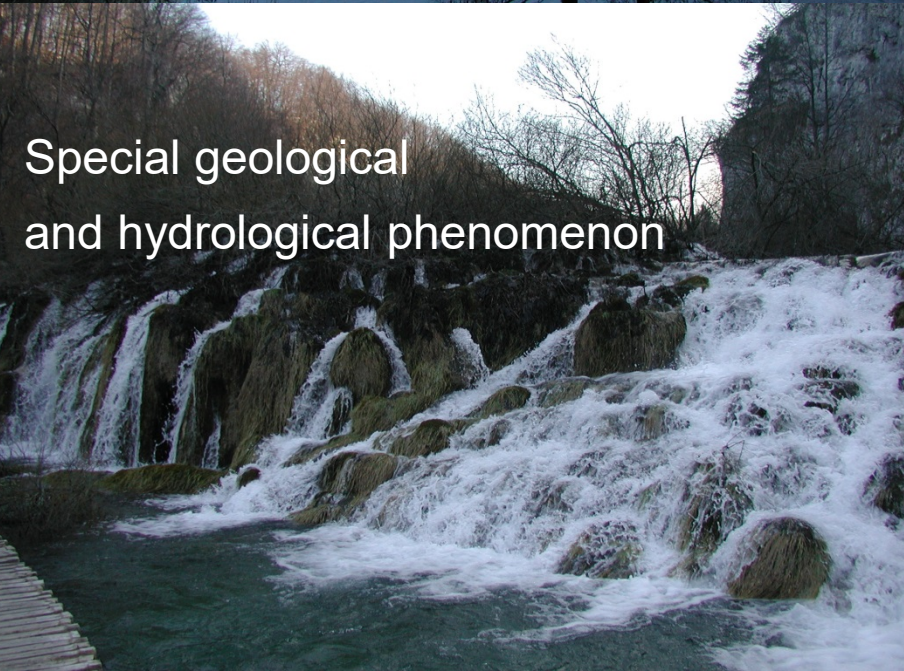
Plitvice Lakes National Park



established in 1949



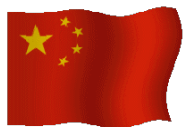
First Croatian site on
UNESCO World Heritage List
entered in 1979



Special geological
and hydrological phenomenon



Consists of 16 lakes, which gradually
blend into one another in a long series
of more than 5000 m



Chengdu Institute of Biology
Chinese Academy of Sciences



SVEUČILIŠTE U
ZAGREBU



2009

**"BIODIVERSITY AND ECOLOGY OF PHYTOPLANKTON COMMUNITIES
IN LAKE JIUZHAIYOU VALLEY (CHINA)
AND NATIONAL PARK PLITVICE LAKES (CROATIA)"**

(Class 910-01/09-01/00212; ID 533-06-09-0002)

2011

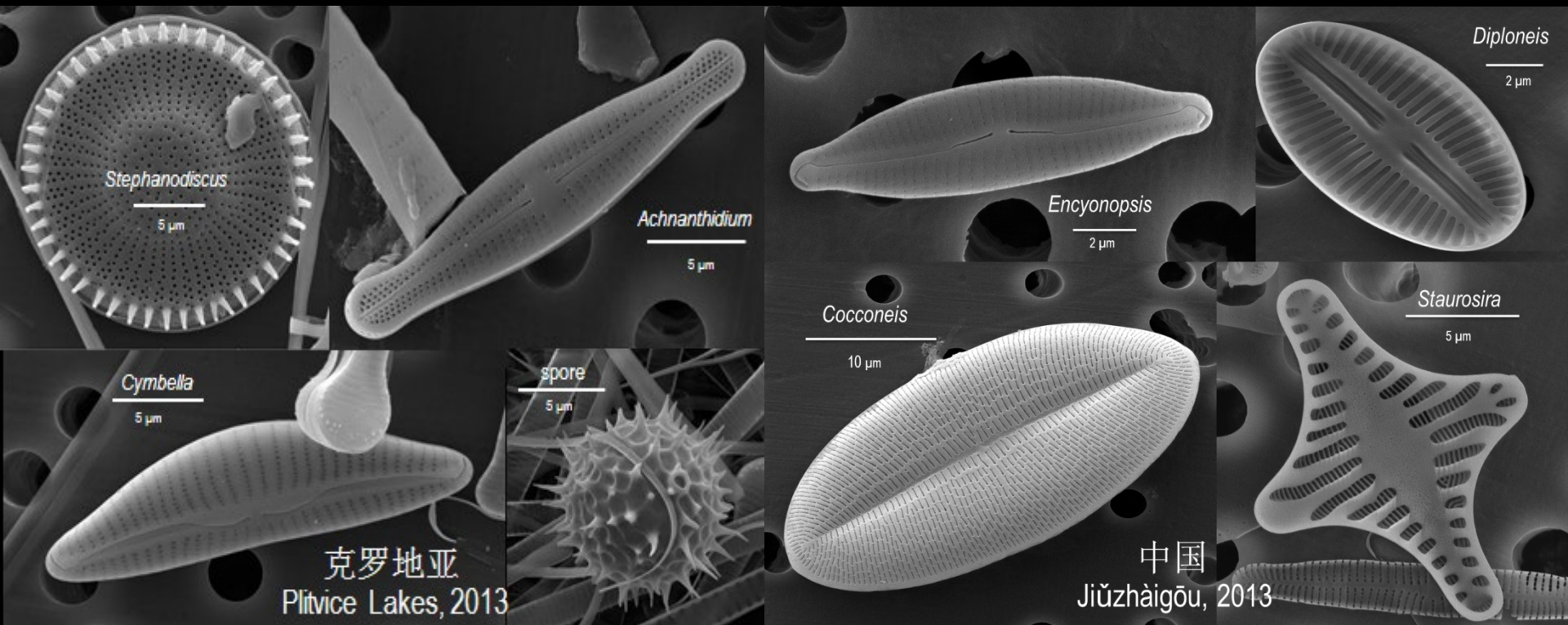
**„APPLICATION OF PHYTOBENTOS IN WATER QUALITY ASSESSMENT IN
KARSTIC WATERS OF CROATIA AND CHINA”**

(Class 910-08/11-01/00052; ID 533-06-11-0002)

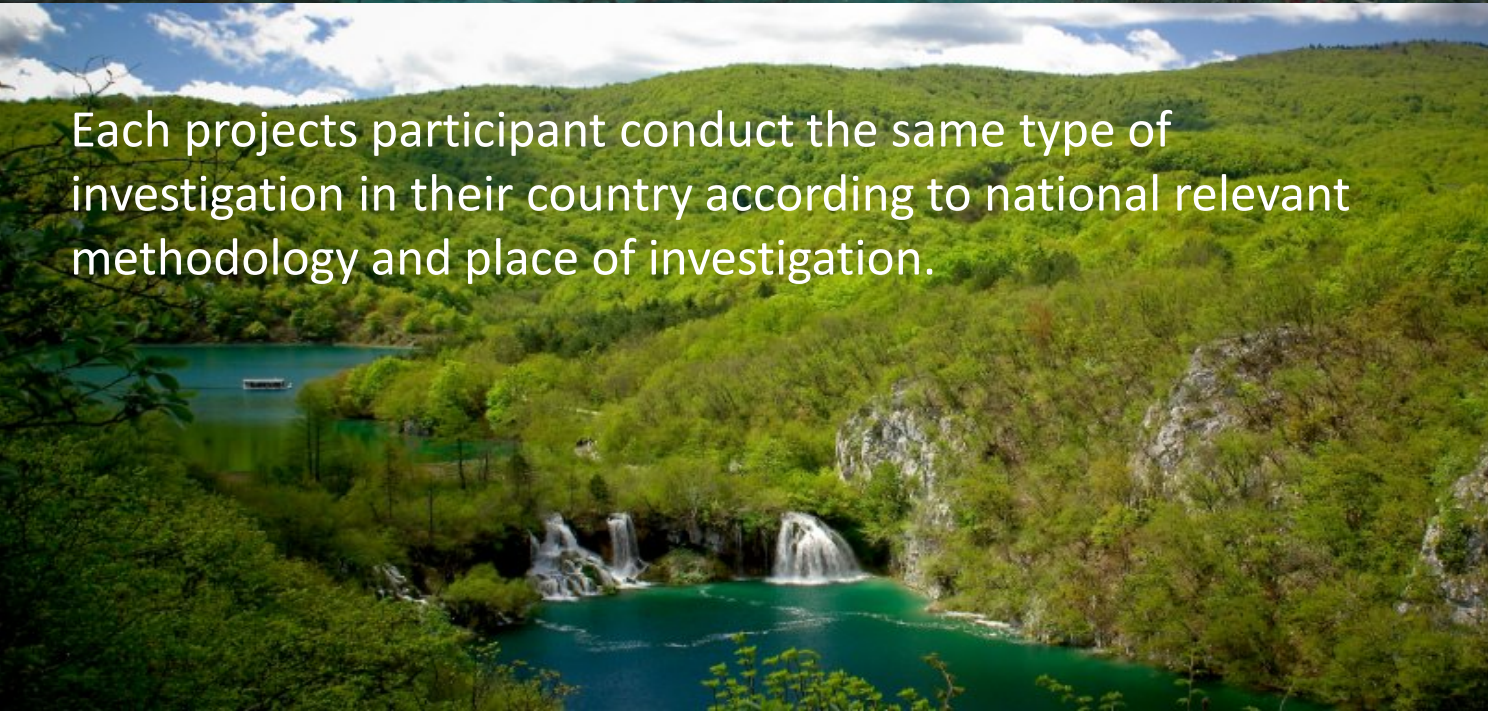
Chinese Team Coordinator
Prof. Wu Ning, PhD

Croatian Team Coordinator
Prof. Anđelka Plenković Moraj, PhD

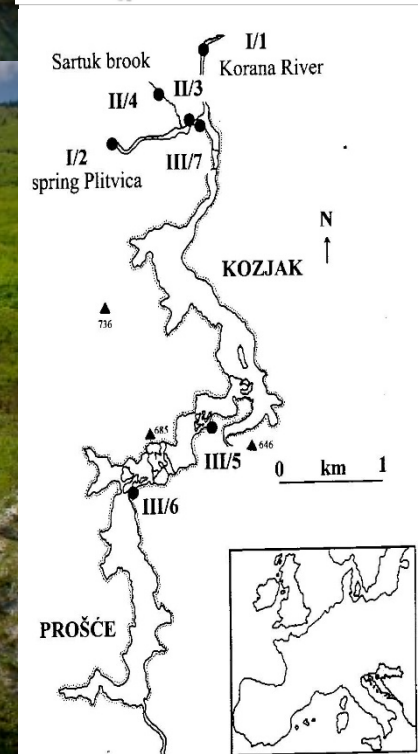
Approved by China-Croatia Inter-government Science and Technology Cooperation Program



A one year climate cycle, during which land plants usually complete one life cycle, is sufficient for algae turnover in the order of 100 times.

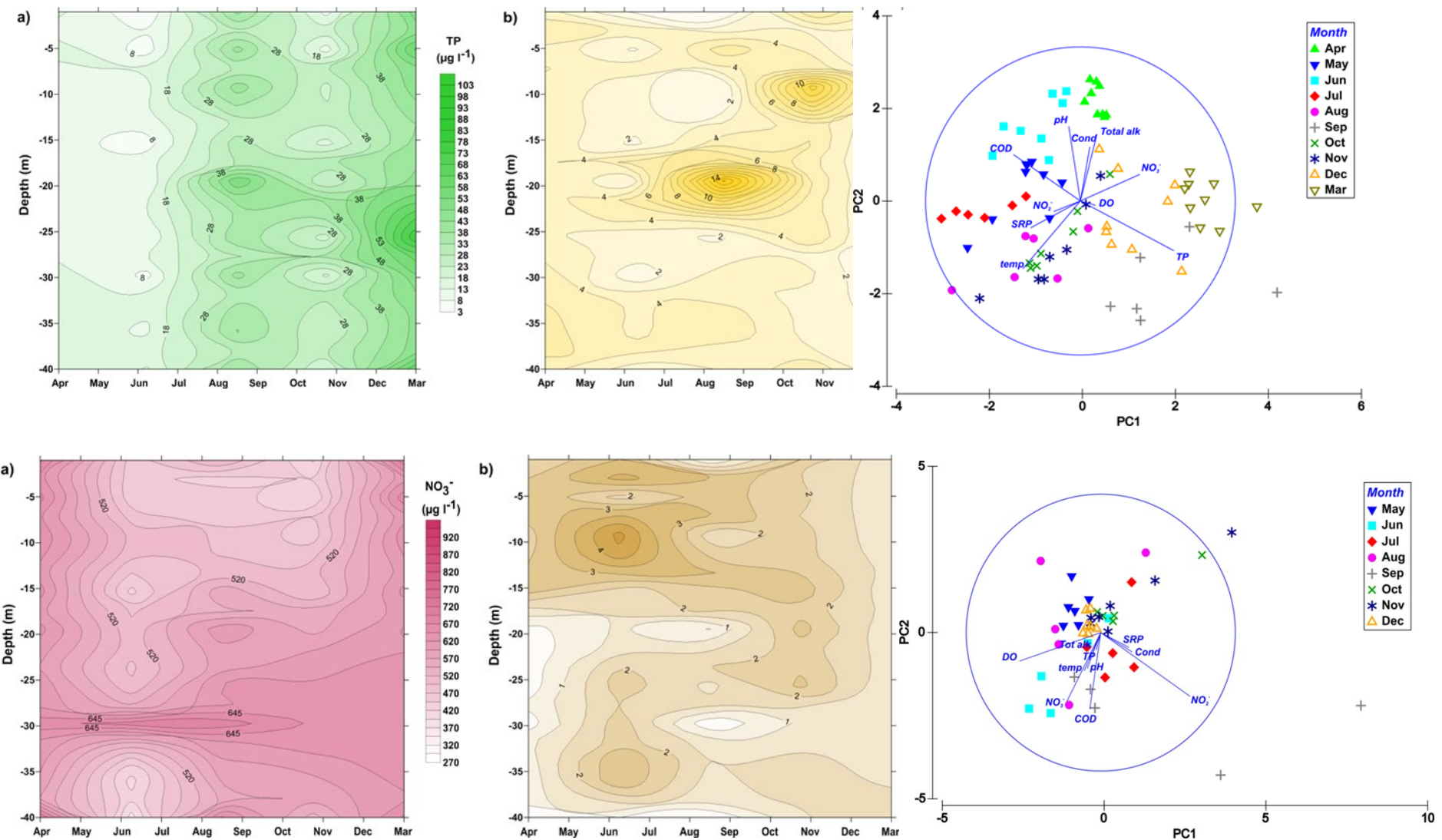


Each projects participant conduct the same type of investigation in their country according to national relevant methodology and place of investigation.





At the end of each project bilateral exchange was conduct.



Exchange of experience has enriched both countries in upgrading scientific knowledge, methodologies



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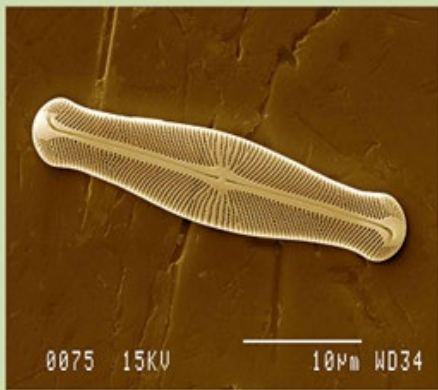
Unos podataka

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SI WEGL

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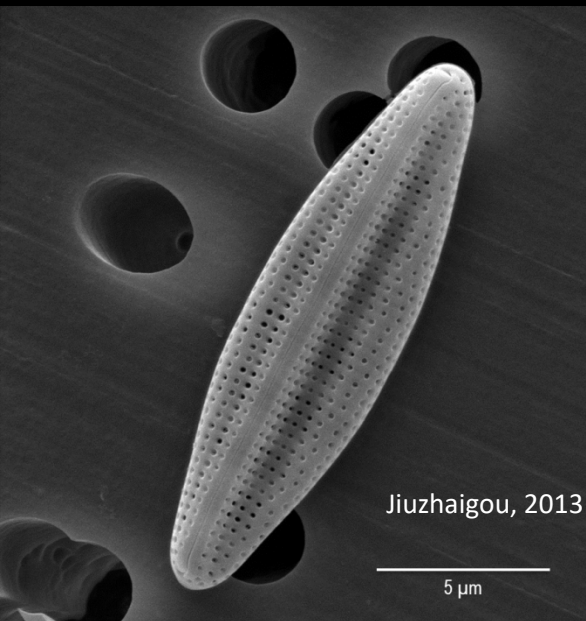
SI HRIS IT

Vrsta-uzorak ?

- TDI Rott Austria
- TDI DANK Germany
- Sarrobic Index Austria
- TDI Hofmann lakes
- Diatomindex Switzerland
- Habbice Index

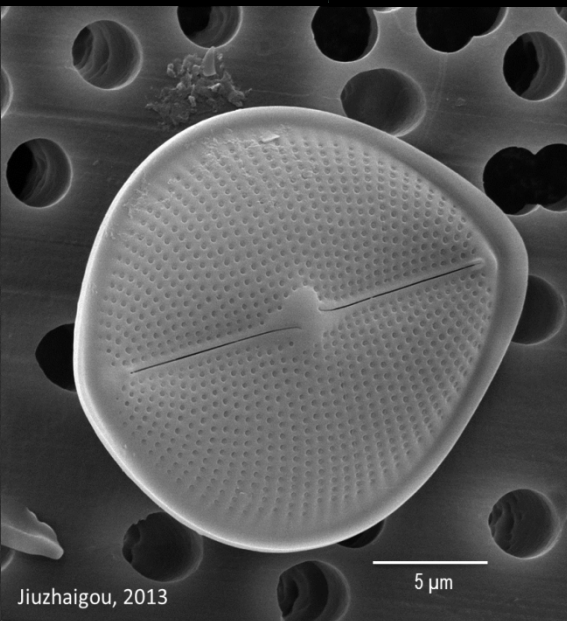


technology and approaches in data processing.



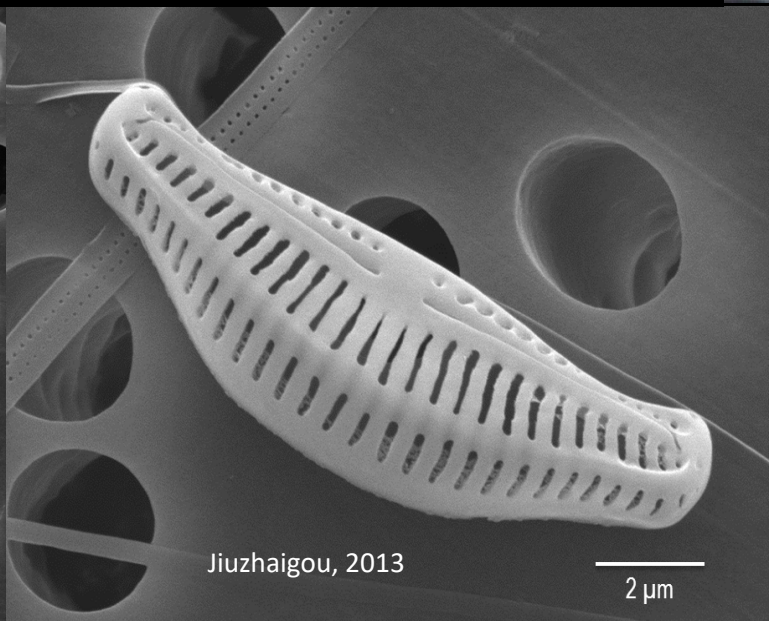
Jiuzhaigou, 2013

5 µm



Jiuzhaigou, 2013

5 µm



Jiuzhaigou, 2013

2 µm



Chinese project partners have done a lot about vegetation restoration and conservation of terrestrial ecosystem around the lakes in Jiuzhaigou. It was aimed to maintain water resources and decrease water pollution.



implementation and applicability of EU methodology and technology in fields related to nature conservation, ecosystem management and sustainable development of world natural heritage sites.



MEMORANDUM OF UNDERSTANDING
 BETWEEN
 THE SCIENCE AND TECHNOLOGY DEPARTMENT OF
 SICHUAN PROVINCE,
 THE PEOPLE'S REPUBLIC OF CHINA
 AND
 THE UNIVERSITY OF ZAGREB, CROATIA

This memorandum records the intention of the Science and Technology Department of Sichuan Province and the University of Zagreb to strengthen ties between the two organizations which might lead in future to the establishment of one or more partnership agreements for science and technology exchange purposes and research program co-operation.

At present this agreement is made as a gesture of goodwill between the two organizations, which may see the development of links in the areas of:

- a) Promotion and support of projects jointly carried out by the University of Zagreb and institutes from Sichuan Province to apply for the Bilateral Cooperation Program for Science and Technology between China and Croatia.
- b) Collaboration in the areas including biotechnology, medicine and pharmaceutical technology, electronics information, agriculture, and environmental protection.
- c) Exchange of information, documentation and research materials
- d) Training and exchange of staff members in joint or collaborative programs

Cooperation under this general agreement shall be defined in separate prepared written agreements between the corresponding units and agreements must be approved and signed by authorized representatives of each party to this Memorandum.

This agreement is subject to revision, renewal or cancellation by mutual consent and becomes effective upon completion of signature for a period of 5 years.

Signed by:

Signed by:

Mr. Luo Zhiping,
 Deputy-director General
 Science and Technology Department
 Of Sichuan Province
 The People's Republic of China

Prof. Aleksa Tjotić,
 Rector
 University of Zagreb
 Croatia

Zagreb, June 24, 2011



Mr Luo Zhiping, Deputy-director General, STDSP lead Sichuan delegation



In 2012, Jiuzhaigou-based National Center for International Research in Ecological Conservation was approved by Ministry of Science and Technology of China (MOST), while a joint research project "Study on Key Technologies of Conservation on Water Resources and Ecological Safety in Jiuzhaigou" was also financed by MOST.



In May 2013, CIB, UNIZG and Faculty of Science signed Agreement on Joint Research titled “Comparative Studies on Maintenance and Change of Travertine Landscape between Jiuzhai Valley-Huang long of China and Plitvice Lakes of Croatia”.



As part of the mentioned events and China-Croatia exchange of experience in environmental protection and sustainable development, in September 2013, Sichuan delegation led by Mr Zhou Menglin Deputy Director-General STDSP visited Croatia and very successful and fruitful meetings were held.



University of Zagreb, September 2013



Ministry of Science, Education and Sports, September 2013



- As follow-up of progressing mutual cooperation, STDSP funded a partnering research project "Impacts of Tourism on Travertine Landscape in the World Natural Heritage Site Jiuzhaigou-Huanglong and Its Sustainable Management".
- Establishment of China-Croatia JRC for Ecological Environmental Protection



**Memorandum of Understanding
on the Establishment of
China-Croatia Joint International Research
Center for Ecological Environment
Protection**
Between

Jiuzhaigou National Nature
Reserve, China

University of Zagreb, Croatia

and

Chengdu Institute of Biology,
Chinese Academy of Sciences

Plitvice Lakes National Park,
Croatia

May 2014



A high-level delegation by central government of the People's Republic of China will visit Croatia and will attend in the unveiling ceremony of the proposed research Center together with senior officials from Croatia on May 24 at Plitvice Lakes.

JRC and points of further collaboration between China and Croatia



jointly apply for funds (HORIZON 2020, government of both countries, other resources)

- ✓ Actively expand and deepen collaborative research in all fields related to nature conservation, ecosystem management and environmental protection as well as sustainable development of world natural heritage sites
- ✓ Apply common experience in knowledge and education to both countries (collaborative educational workshops - from young scholars to PhD students, raising public awareness and market promotion)

JRC and points of further collaboration between China and Croatia



- ✓ strengthen both parks management knowledge, theories and technologies, encourage parks managers to deepen cooperation and exchanges of experience in the fields of park operation, management and capacity building



- ✓ promote science-based management related to the essential elements for the world natural heritage sites
- ✓ promote China-Croatia cooperation exchange knowledge in science, education and culture



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