



*Bridge between environment and industry
designed by membrane technology*

(Grant agreement no.: CSA-CA 233253)



From “before” to “after” MemBridge : an Introduction

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The Membridge project : a new step

NanoMemPro / EMH priorities

- MEDA countries
- Russia and NIS

Overall objectives : enlarging and reinforcing strategic partnerships between European and Russian/NIS researchers in the field of membrane science and technology





The participants

- The leading European research laboratories through one of the main outcomes of NanoMemPro, the European Membrane House (EMH).

- A similar structure, the Russian Membrane Network (RusMemNet), trying to constitute itself in Russia starting from 5 main laboratories.

- Different companies also involved as well as two organizations having the capacity to enlarge further R&D developments : DECHEMA and RTTN on the EU and Russian side respectively

- The main idea of the project : the rapprochement of these two membrane networks and other actors to support European scientific and technical development



European beneficiaries

European Membrane House

(members = 3rd parties)

+

UM2

European SME (4)

Mega

MTB

Aquamarijn

CTI

European Networking (1)

Dechema

ICP¹ beneficiaries

RusMemNet (5)

IGIC-RAS

TIPS

Vladipor

Shubnikov Institut

KubSU

Kazakh SME (1)

MTCA

Russian SME (2)

MTIE

YTI

Russian Networking (1)

RTTN



The objectives in details

● **Objective/WP1** : To put into contact representatives of EU and Russia/NIS with the objective to identify and enhance complementary interests.

● **Objective /WP2** : To elaborate a long term strategy and a well structured program/concept for the next years and diverse joint specific actions involving research, education, training, innovation activity, equipment sharing, person mobility, and being in narrow interaction with local government and other appropriate institutions in the field of membrane science and technology (New joint laboratories ? New industrial partnerships?)

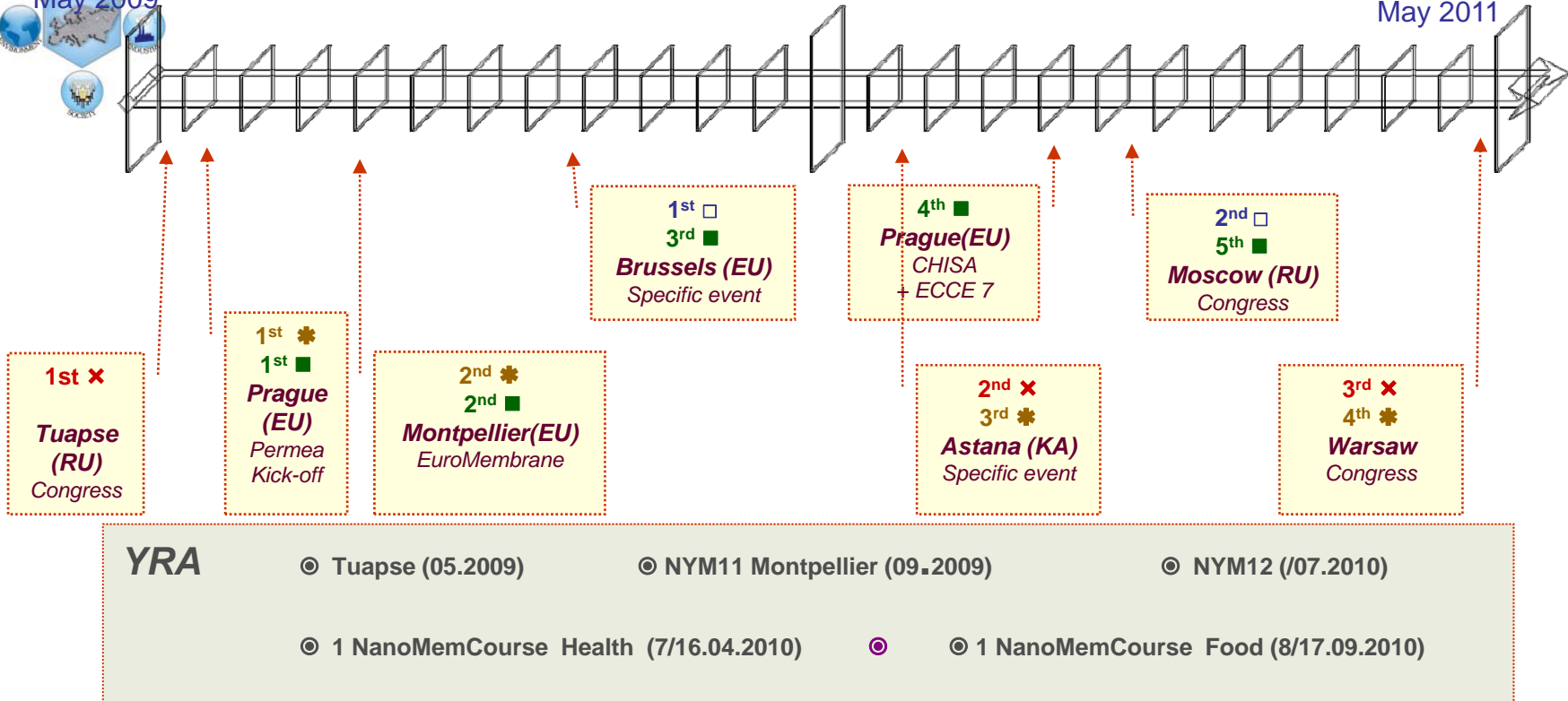


- **Objective/WP 3 : To provide a platform (MemBridge Platform) for establishing and enlarging contacts between researchers of Europe and Russia/NIS and to assure regular exchange of information between NanoMemPro/EMH and RusMemNet and create mutual rubrics in both web sites.**
- **Objective/WPs 4 & 5 : Dissemination and implementation of project results & Management of the project**

As whole bringing together core competencies and expertise in order to build research partnerships generally aimed at the elaboration of joint fulcrums for resolving major global issues (germs for future joint proposals).

Our achievements

May 2011

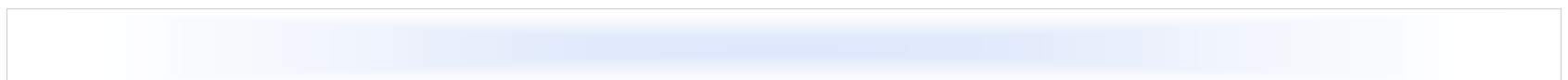


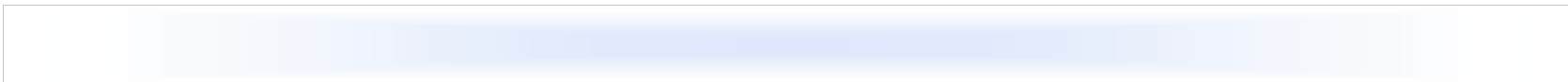
| | | |
|--------------|---|---------------------------------------|
| PC | □ | Partnering conference |
| RT | x | Round-Table |
| IDE | * | Industrially-driven event |
| GA-CM | ■ | General assembly-Coordination meeting |
| YRA | ◎ | Young research activities |

Looking at the events:



- Gantt chart : all carried out ... and even more !
- Membridge meeting at ICCMR in St Petersburg : CARENA !







Looking at the participants:

- students foreseen at NYM 13 (Twente / Summer 2011- Support RFBR ?)
- student applications to Erasmus Mundus EM3E (September 2011)
- enlargement of the RusMemNet network :

Moscow State Univ.; Nizhni Novgorod State Techn.Univ.

Voronezh State University ; Boreskov Inst. Catalysis ;

SchekinoAzot ;

+

Nat.Univ. Kyiv-Mohyla Academy (Kiev - Ukraina)

Acad. Sci. Bielorussia (Minsk- Bielorussia)

Looking at the thematic fields :

- Towards ZLD technologies : ASTANA (KA) - June 2010
- Enzyme-Assisted Membrane Nanoreactors : MOSCOW (FR) - Dec. 2010
- Gas separation processes in Energy and Environment : idem



Looking at the communication / dissemination:

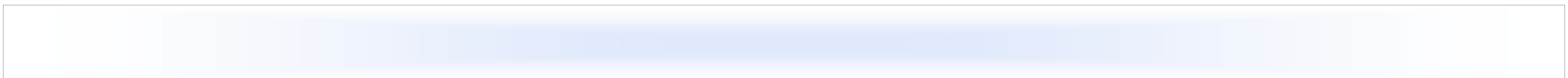
- The idea to create a new website on the Russian side (www.rusmembrane.net : in Russian and English languages) and strong synergy with the ones already existing (EMH and EMS website) .
- In order to facilitate the partner search and promotion of collaboration, an “audit” started on the MemBridge partners including research, educational and innovation with areas of scientific and technical expertise, main publications, patents, capabilities, available resources ...
- Also a huge work of information/dissemination by RTTN through its own websites (as well as during various meetings)!

And new projects :

- see the following presentation ...

Looking at the deliverables and milestones:

- All correct





My conclusions ...

A great thanks to all our Russian/NIS colleagues who did their best to make of this project a success, with a particular thought for Viktor Nikonenko and Olga Tarassova for their “daily presence with us” ! They undoubtedly represent strong pillars for the future of EU/Russia relations ...

The feeling that we have been really successful in setting-up the appropriate framework for the development of future EU-Russia/NIS relations, in this very important field of activities : that was the main objective of the CA project and the money spent for that has been really low !

Russia and NIS have a very good education system, a lot of excellent scientists in fields which are not always the same as in Europe but always in a strong complementarity with them and a lot of companies which are fast growing because the local conditions are appropriate. Be confident with the future and with our capacity to cooperate more and more, because that is rationale and our common interest.