



UNIVERSITÀ  
DEGLI STUDI DI TRIESTE

Transregional Network for Innovation and Technology Transfer to Improve Health Care  
Rete transregionale per l'innovazione ed il trasferimento tecnologico per il miglioramento della sanità  
Transregionalno omrežje za inovacijo in prenos tehnološkega znanja za izboljšanje zdravstva

## Trans2Care project 2007-2013

### *An insider view on health R&I in the Italy-Slovenia cross-border Area.*

Sabina Passamonti  
University of Trieste, Lead Partner

***Danube S3 Workshop: "Gathering opportunities  
around RIS3 priorities"***

*at Austrian Federal Ministry of Science, Research and  
Economy, Freyung 3, 1014 Vienna*

07.07.2015

[www.trans2care.eu](http://www.trans2care.eu)



2007-2013 cooperazione territoriale europea  
programma per la cooperazione  
transfrontaliera  
**Italia-Slovenia**  
evropsko teritorialno sodelovanje  
program čezmejnega sodelovanja  
**Slovenija-Italija**



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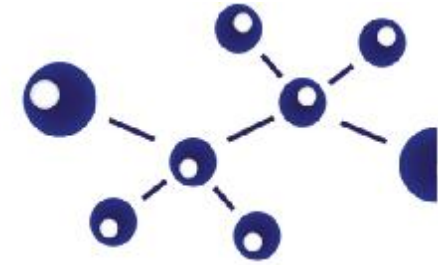
[www.ita-slo.eu](http://www.ita-slo.eu)

Progetto cofinanziato dal Fondo europeo di  
sviluppo regionale

Projekt sofinancira Evropski sklad  
za regionalni razvoj

# PROJECT TRANS2CARE

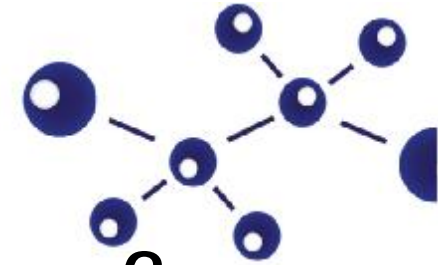
## Timeline and Funding details



*First step call:*                    **15.10.2008**  
*Second step call:*                **10.09.2009**  
*Start:*                                **01.04.2011**  
*End:*                                 **30.09.2014 (no extension)**  
*In loco FLC visit:*                **05.06.2015**

***... waiting for the “cleared” stamp...***

*Budget given:*            € 2.611.118 (100 %)  
*Budget used:*            € 2.551.534 (97,7 %)



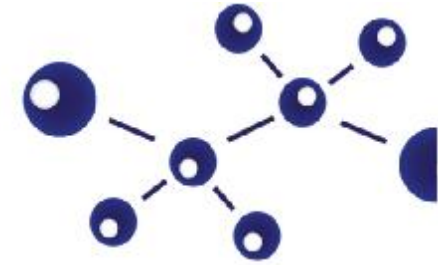
# Which challenges does the project address?

Cross-border Cooperation Programme Italy-Slovenia  
2007-2013 **Priority axis n.2**  
**“COMPETITIVENESS AND KNOWLEDGE-BASED  
SOCIETY”**

Promote research and innovation to the  
development of knowledge-based economy

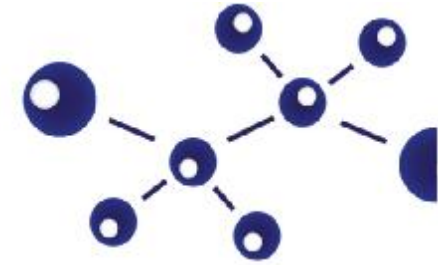
Improve and qualify employment potentials through  
coordinated higher-education and training

# What are the goals and activities of the project?



## *THE GENERAL OBJECTIVE OF TRANS2CARE PROJECT*

- To set up a shared, cross-border **network of institutions,**
- dedicated to the **permanent development of new protocols and biotechnological devices,**
- for the **prevention, early diagnosis and cure** of neuro-degenerative, cardiovascular, orthopedic and oncologic diseases.

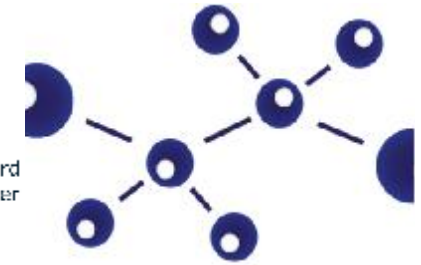


Is the thematic of project linked to the smart specialisation strategies in the partner countries?

*Yes, see next table*

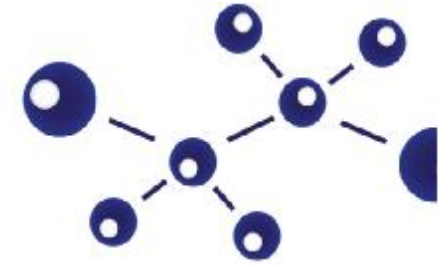
*SOURCE: Eye@RIS3*

<http://s3platform.jrc.ec.europa.eu/eye-ris3>



Name	Description	Research & Innovation Capabilities	Business Areas & Target Market	EU Priority
<b>RIS3 priorities In Trans2Care Regions</b>				
Slovenia [SI]	Health	1. Manufacturing & industry 2. Biotechnology	1. Manufacturing & industry 2. Basic pharmaceutical products & pharmaceutical preparations	1. Social innovation & 2. Social innovation with regard to health, well being & elder care 1. KFTs
Friuli-Venezia Giulia [ITH4]	Smart Health	1. Manufacturing & industry  2. Basic pharmaceutical products & pharmaceutical preparations	1. Manufacturing & industry	2. Industrial biotechnology
Veneto [ITH3]	Smart Agrifood	1. Agriculture, forestry & fishing 2. Crop & animal production, hunting & related service activities	1. Agriculture, forestry & fishing 2. Crop & animal production, hunting & related service activities	1. Sustainable Innovation & 2. Sustainable agriculture
Emilia-Romagna [ITH5]	Health & we...	1. Human health & social work activities	1. Human health & social work activities	1. Public health & security  2. Public health & well-being
<b>RIS3 priorities in Danube Regions</b>				
Austria [AT]	Life sciences	1. Human health & social work activities	1. Human health & social work activities	1. Public health & security
Croatia [HR]	Health and qual...	1. Human health & social work activities	1. Human health & social work activities	1. Public health & security
Germany [DE]	Healthy life (c...	1. Human health & social work activities	1. Human health & social work activities	1. Public health & security
Baden-Württemberg [DE1]	Health & care	1. Human health & social work activities	1. Human health & social work activities	1. Public health & security
Czech Republic [CZ]	Healthcare and ...	2. Biotechnology	1. Information & communication technologies (ICT) 2. Computer programming, consultancy & related activities	1. Public health & security & 2. Public health & well-being
Moravskoslezsko [CZ08]	Regenerative me...	1. Human health & social work activities 2. Human health activities (medical services)	1. Human health & social work activities	1. Public health & security  2. Public health & well-being
Bratislavský kraj [SK01]	R&D in biol...	1. Human health & social work activities 2. Human health activities (medical services)	2. Basic pharmaceutical products & pharmaceutical preparations	1. KETs  & 2. Public health & well-being
Bratislavský kraj [SK01]	R&D in diag...	2. Biotechnology	1. Manufacturing & industry	1. Public health & security
Bratislavský kraj [SK01]	R&D in diag...	1. Manufacturing & industry  2. Basic pharmaceutical products & pharmaceutical preparations	2. Basic pharmaceutical products & pharmaceutical preparations	& 2. Public health & well-being
Romania [RO]	Service and pro...	2. Human health activities (medical services)	1. Human health & social work activities	1. Public health & security
Bulgaria [BG]	Healthy Life an...	1. Manufacturing & industry 2. Biotechnology	1. Human health & social work activities 2. Human health activities (medical services)	1. Public health & security

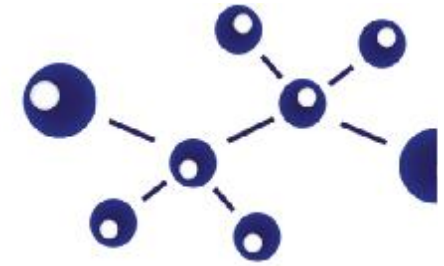




# What is the rationale for transnational collaboration?

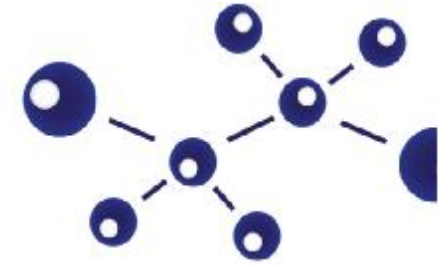
*The geography of R&I potential  
see the next map!*

More than half of Trans2Care Partners are at *walking distance* from the Italy-Slovenia border



*Why not working together?*



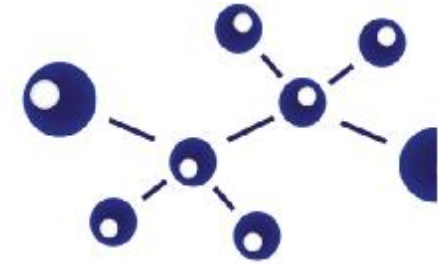


# What are the geographical boundaries of the collaboration?

Italy-Slovenia Programme Area

30.740 km<sup>2</sup>

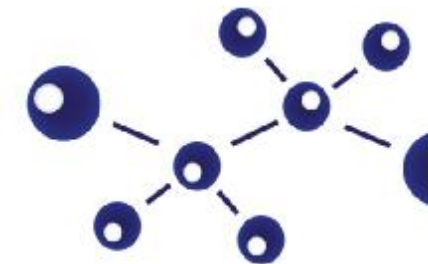
5.5 MLN inhabitants



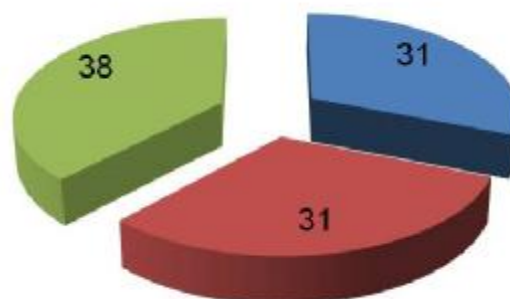
# Who are the main partners in the project?

# TRANS2CARE

## Partners details

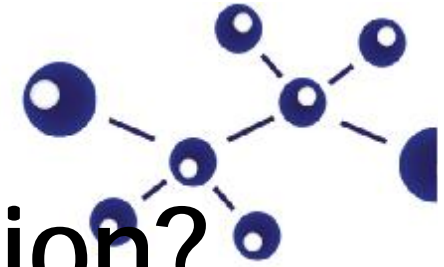


Lead Partner	PP1	PP2	PP3	PP4	PP5	PP6	PP7	PP8	PP9	PP10	PP11	PP12	Project manager
biology, biochemistry	chemometrics, statistics	neurobiology, prion disease	analytical chemistry	pediatrics, bone metabolism	tech transfer, training	cardiology, intensive care	electrochem., biosensors	plant biology, biochemistry	pediatrics, coeliac disease	immunology, stem cells	orthopaedics, biomaterials	human nutrition, oncology	
University of Trieste	National Institute of Chemistry	International School for Advanced Studies	University of Nova Gorica	University of Ferrara	Trasferimento Tecnologico e Innovazione	General Hospital of Nova Gorica	University Ca' Foscari of Venice	University of Udine	IRCCS Burlo Garofolo	Blood Transfusion Centre of Slovenia	Valdoltra Orthopaedic Hospital	University of Primorska	T&B Associati S.r.l.
Sabina Passamonti	Marjana Novič	Giuseppe Legname	Mladen Franko	Caterina Borgna	Franca Bandiera	Matjaž Klemenc	Paolo Ugo	Enrico Braidot	Tarcisio Not	Vladka Čurin Šerbec	Ingrid Milošev	Maja Čemažar	Adriano Savoini



- mat-chem-econ
- bio
- clinics

# Is there an added value in the Danube region cooperation?

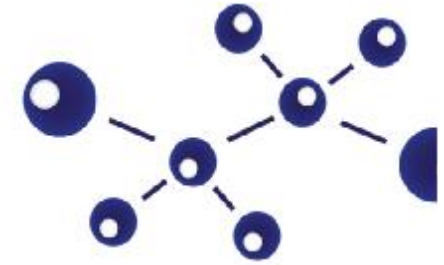


Italy is not included in DANUBE REGION.

Nevertheless, Italian Partners of Trans2care project can participate in INTERREG 2014-2020 projects involving Danubian Partners:

- Italy-Slovenia (Interreg Va; *CROSS-BORDER PARTNERS*)
- Italy-Croatia (Interreg Va; *CROSS-BORDER PARTNERS*)
- Italy-Austria (Interreg Va; *CROSS-BORDER PARTNERS*)
- Central Europe (INTERREG VB; *CROSS-BORDER PARTNERS IN 3 STATES*)
- Alpine Space (INTERREG VB; *CROSS-BORDER PARTNERS IN 2 STATES*)
- Adrion (INTERREG VB; *CROSS-BORDER PARTNERS IN 2 STATES*)
- MED (INTERREG VB; *CROSS-BORDER PARTNERS IN 2 STATES*)
- Europe (INTERREG VC; *CROSS-BORDER PARTNERS IN 3 STATES*)

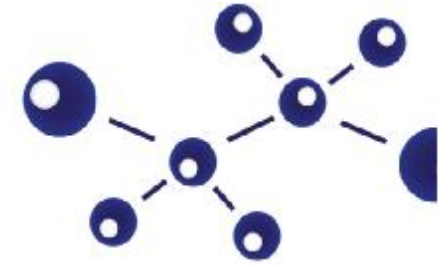
# What are the goals and activities of the project?



Workpackages 1-2-3-4-5-6-7-8

- **WP4 on *training in research & entrepreneurship*;**
- **WP6 on *developing technology transfer from scratch*;**
- **WP5-7-8 (mapping-sustainability-communication) ancillary to WP6**



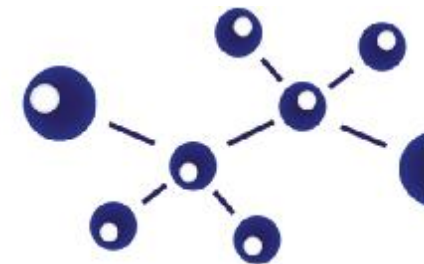


# What are the results of the project?

# TRANS2CARE PROJECT

## Results

<http://www.trans2care.eu/Default.aspx?section=376>

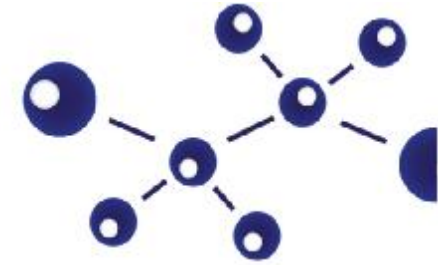


# TRAINING RESEARCH TECHNOLOGY TRANSFER

# TRANS2CARE PROJECT

## Results

<http://www.trans2care.eu/Default.aspx?section=376>



## TRAINING

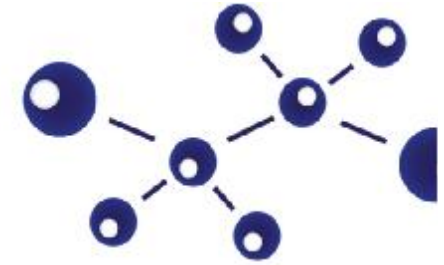
A new profession for 14 young biomedicine researchers: scientific experts in close contact with industry and society. Researchers gained innovation management skills that are needed to apply their research results in industry, healthcare and ordinary life.

Most of them work in the Programme area and contribute to the regional knowledge-based economy.

# TRANS2CARE PROJECT

## Results

<http://www.trans2care.eu/Default.aspx?section=376>



## RESEARCH

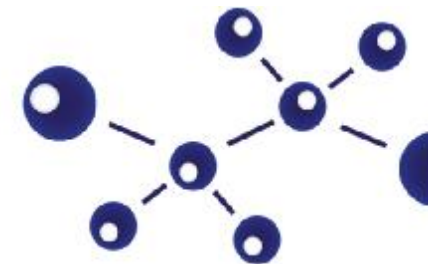
- 2 new markers for early disease detection (metabolic syndrome and mad cow disease),
- 2 new approaches to disease prevention (colon cancer and metabolic syndrome),
- 2 methods for diagnosis (syncope and coeliac disease)d.
- a biomaterial for orthopaedic implants.

Most of these outcomes are currently in use in the clinics/practice.

# TRANS2CARE PROJECT

## Results

<http://www.trans2care.eu/Default.aspx?section=376>



## TECHNOLOGY TRANSFER

### *Discovery*

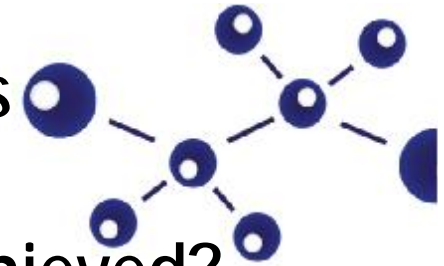
There is a large gap between academic researchers and industries, due to:

- different objectives
- different duties
- hyper-specialisation of research
- understaffing at Universities (low teaching/student ratio)
- underfunding of research (discontinuous contracts)
- lack of connecting instruments/measures



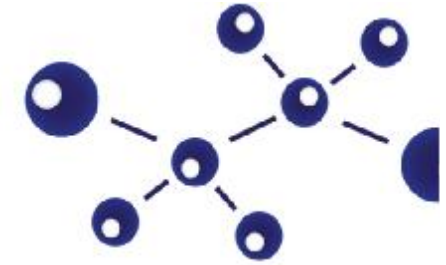
What do you think contributed to the success of the project?

How sustainability of the partnership was achieved?



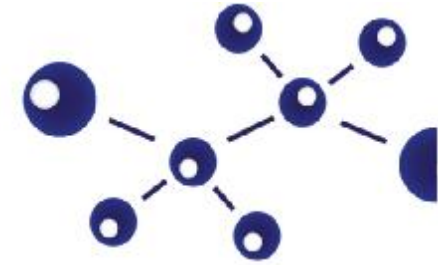
1. Heavy Involvement of the 14 researchers recruited (1/PP; 2/LP) in every phase of the project (highly motivated to build up profession), both by the Lead Partner and the Project Partners.
2. Outwards opening the project's activities and results by:
  - massive external communication
  - capitalisation activities (3 big events; continuing involvement of other projects)
    - Effect: nobody has any privilege to be in a safe, unscrutinised box.
3. Day-to-day alignment to the Italy-Slovenia Operational Programme 2007-2013 ("*no drift*", "*go by the book*") and close monitoring of European policies for R&I.

# What are the major obstacles and the barriers for collaboration? How did you overcome these?



1. Little time to meet and exchange views; ordinary (i.e. besides Trans2care) work overload on all Team Managers.
  - Overcome by e-mail messages, guidelines, and phone calls. However, poor feed-back from the Partners, though they did their tasks.
  - These projects are still felt as unusual with respect to the institutional mission of our Universities/Research Centers/Hospitals/.
2. Poor knowledge of the different features of Research activities/results vs. Innovation activities/results.
  - Overcome by adopting, testing and disseminating the concept of Technology Readiness Levels.

# What are the next steps?



1. Partial involvement of some Partners in INTERREG and Horizon 2020 project proposals
  - ... but this is not really sustainability of the Italy-Slovenia collaboration.
  - Awareness that we are not ready for Horizon 2020.
2. Waiting for INTERREG V Italy-Slovenia
  - Impossible to be all together again due to change of Programme Area (shrinked).
  - Dreaming with the Lead Partners/Partners of some other biomedical projects (there were 5) to avoid sterile competition and try an organised system of synergic project proposals (*ex-ante* capitalisation).

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Thank you for your attention



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Rete transregionale per l'innovazione ed il trasferimento tecnologico per il miglioramento della sanità  
Transregionalno omrežje za inovacijo in prenos tehnološkega znanja za izboljšanje zdravstva

Partners: LP – Università degli Studi di Trieste, PP1 – Kemijski Inštitut Ljubljana, PP2 – Scuola Internazionale Superiore di Studi Avanzati, PP3 – Univerza v Novi Gorici, PP4 – Università di Ferrara, PP5 – Treviso Tecnologia, PP6 – Splošna Bolnišnica Dr. Franca Derganca, PP7 – Università Ca' Foscari di Venezia, PP8 – Università di Udine, PP9 – IRCCS Burlo Garofalo, PP10 – Zavod Republike Slovenije Za Transfuzijsko Medicino, PP11 – Ortopedska Bolnišnica Valdoltra, PP12 – Univerza na Primorskem - Fakulteta za Vede o Zdravju.



[www.trans2care.eu](http://www.trans2care.eu)

Progetto Rete Transregionale per l'innovazione ed il Trasferimento Tecnologico per il Miglioramento della Sanità finanziato nell'ambito del Programma per la Cooperazione Transfrontaliera Italia-Slovenia 2007-2013, dal Fondo europeo di sviluppo regionale e dai fondi nazionali.

Projekt Transregionalno omrežje za inovacijo in prenos tehnološkega znanja za izboljšanje zdravstva sofinancirana v okviru Programa čezmejnega sodelovanja Slovenija-Italija 2007-2013

iz sredstev Evropskega sklada za regionalni razvoj in nacionalnih sredstev.



Ministero dell'Economia  
e delle Finanze



REPUBLIKA SLOVENIJA  
SLUŽBA VLADE REPUBLIKE SLOVENIJE ZA RAZVOJ  
IN EVROPSKO KOHEZIJSKO POLITIKO

