

**INDUSTRIAL
TRANSFORMATION**

**BASEL
AREA** 

60
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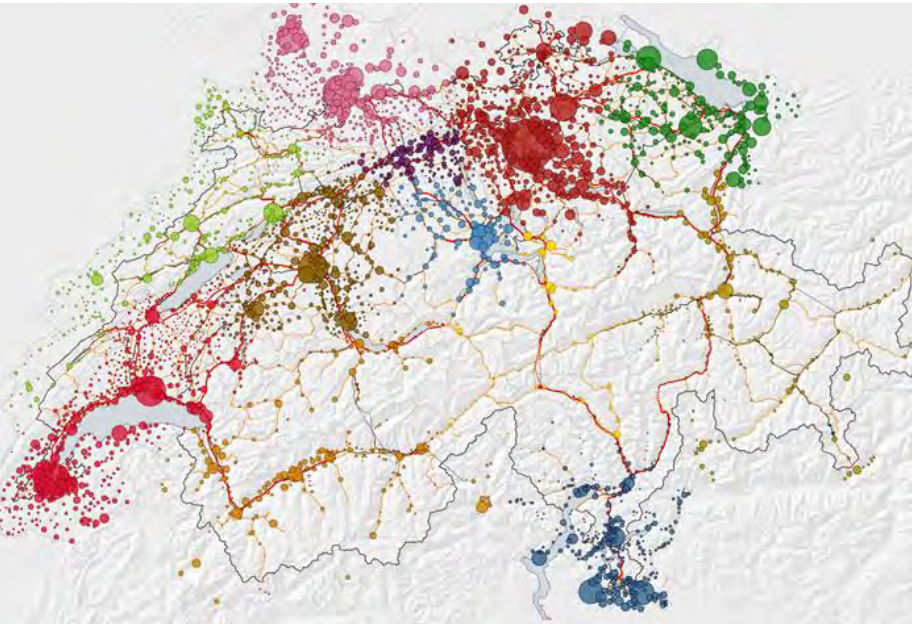
Regio Basiliensis
Grenzen verbinden | Frontières unissent

**SCIENCES
MISCHSCHAFT**

Poschiavo  **Polo
Poschiavo**

Innovate grâce à la coopération transfrontalière

Breakout session, 20.10.23



- 1. Begrüssung und Input**
- 2. Präsentation Fallbeispiele, Best-practices und Erfahrungsbereiche aus der Praxis**
- 3. Austausch, brainstorming**

Nos expériences



Accompagner les PME pour développer leurs capacités d'adaptation et d'anticipation face aux mutations technologiques et humaines à venir

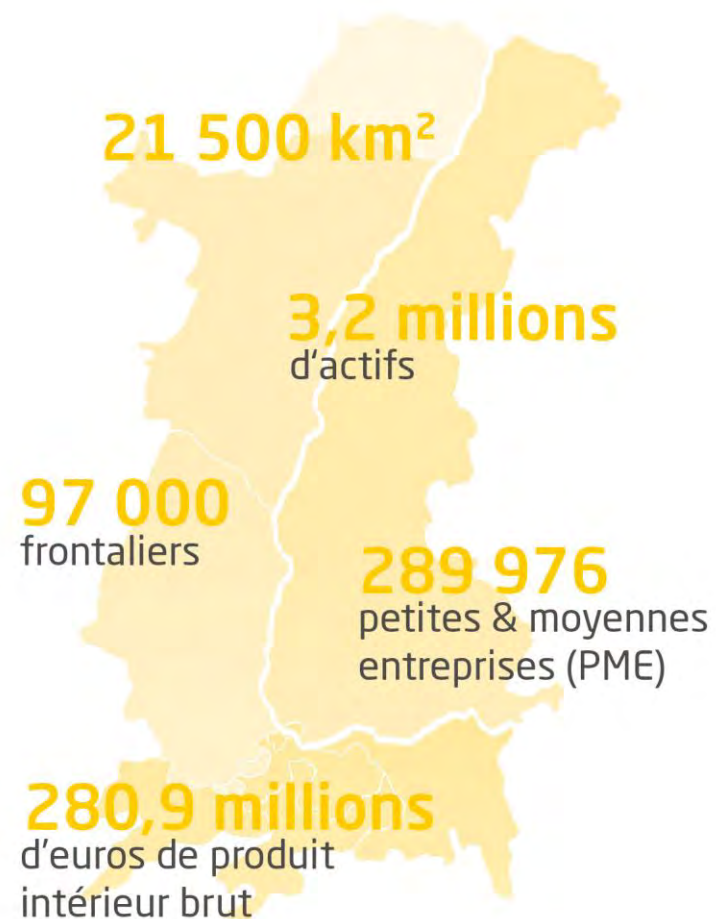
Unterstützung von KMU bei der Entwicklung ihrer Anpassungs- und Antizipationsfähigkeiten angesichts des bevorstehenden technologischen und menschlichen Wandels

Rapprocher les acteurs de l'économie trinationale et les aider à collaborer sur l'innovation (KTUR)

Die Akteure der trinationalen Ökonomie zusammenbringen und ihnen helfen, bei Innovationen zusammenzuarbeiten (KTUR)

Le Rhin supérieur

Quelques chiffres

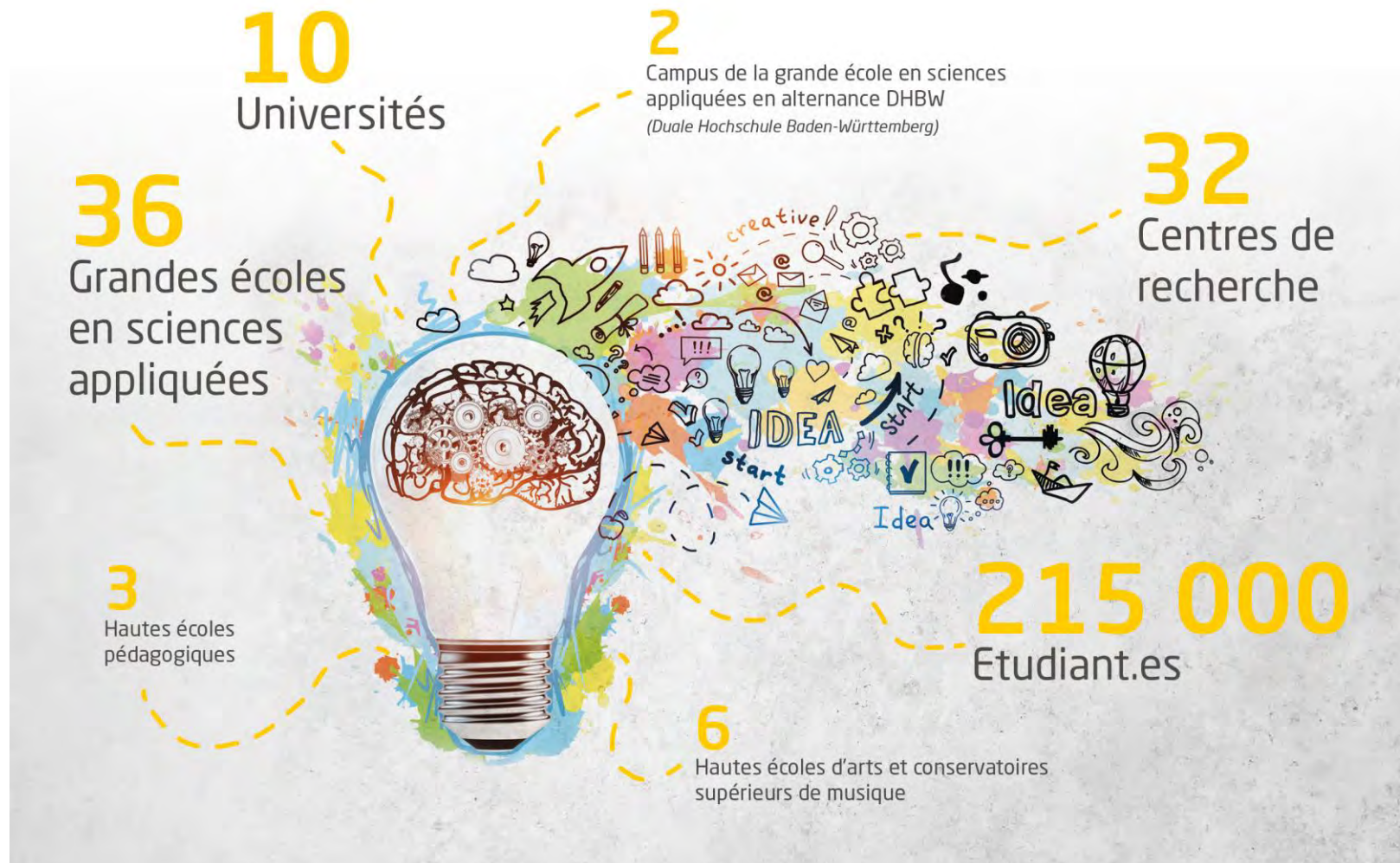


Le Rhin supérieur

Quelques chiffres

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**Opportunités
Complémentarités
Expertises
Diversité
Dynamisme
Expériences**

Interreg Upper Rhine

**INDUSTRIAL
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Expertenausschuss "Innovation"

INDUSTRIAL
TRANSFORMATION

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AREA



Julie Corouge

Chargée de mission au
Bureau de coordination du
Pilier Sciences de la Région
Trinationale Métropolitaine
du Rhin supérieur



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Wissenschaftsoffensive L'Offensive Sciences



Science Offensive





Wissenschaftsoffensive L'Offensive Sciences

Science Offensive: What is it about?

- Unique funding instrument in Europe for the promotion of scientific cooperation in the Upper Rhine region
- Linked to the Interreg Upper Rhine programme
→ co-funding of 50(60)%
- Additional funding at the rate of 25% of the so-called regional partners (Région Grand Est; Ministry of Science, Research and Arts Baden-Württemberg; Ministry of Science and Health Rhineland-Palatinate)
- Quality assured through scientific peer review
- Technical support from the elaboration to the implementation of the projects



● UNIVERSITÉS / UNIVERSITÄTEN
■ ÉCOLES DE SCIENCES APPLIQUÉES ET D'ENSEIGNEMENT SUPÉRIEUR
HOCHSCHULEN FÜR ANGEWANDTE WISSENSCHAFTEN UND HÖHERE BILDUNGSRICHTUNGEN
● STRUCTURES DE RECHERCHE EXTRA-UNIVERSITAIRES
AUßERUNIVERSITÄRLICHE FORSCHUNGSRICHTUNGEN



The Science Offensive (SO): A unique funding instrument



A success story since 2011...

- 21 millions euros for excellent applied research in the Upper Rhine region
- 3 calls for projects in 2011, 2016 and 2018
- 21 projects funded and supported (out of 76 submissions)
→ success rate of ~28%, on the rise for 2018
- Seven ongoing projects (project call 2018) ;
(32 scientific projects in the Interreg V UR programme)
- 26 research institutions supported, including 5 non-university institutions

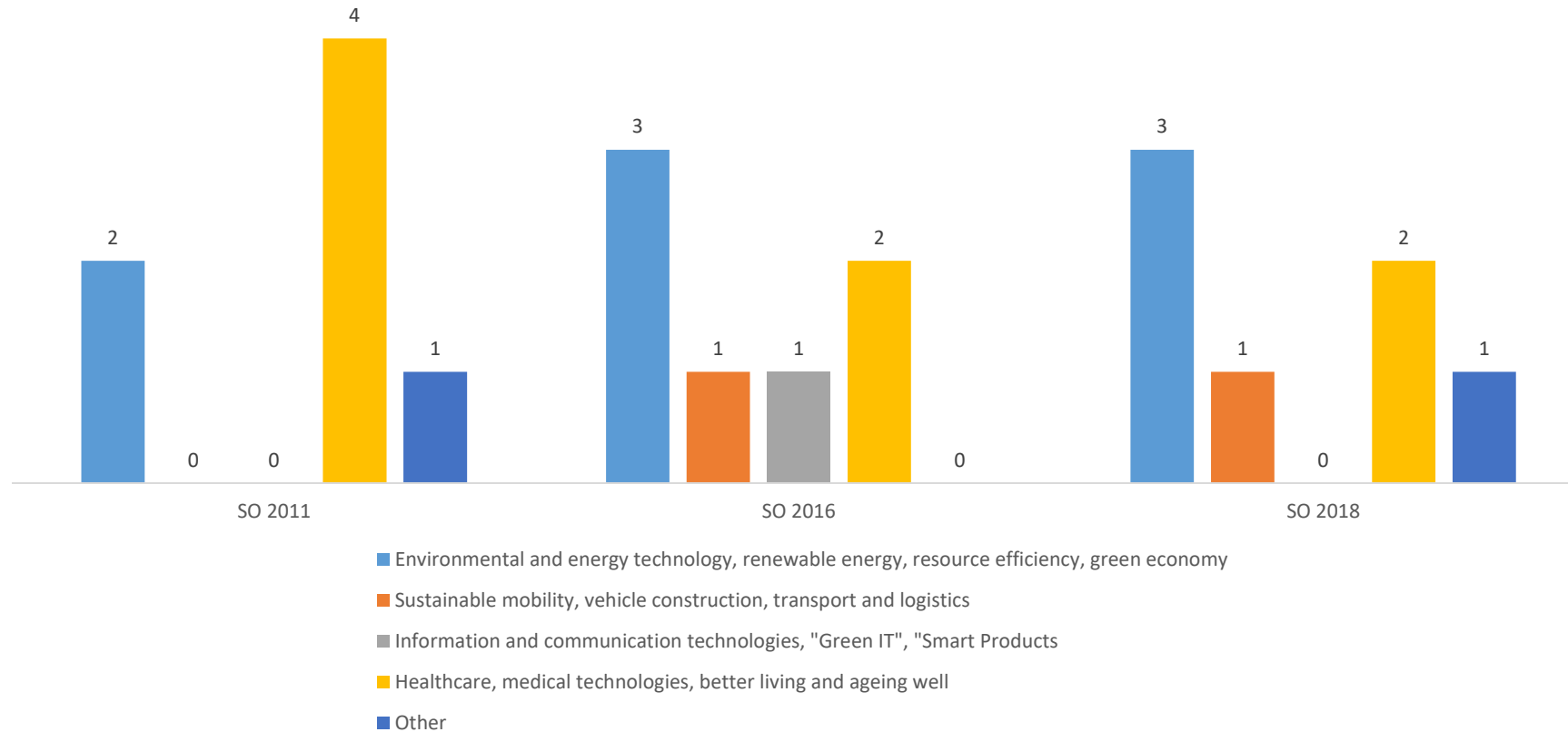
Science Offensive 2021-2027 currently in preparation



<https://science.rmtmo.eu/offensive-sciences/>

Science Offensive (SO): research areas

Approved projects by thematic area (cumulated for 2011, 2016 and 2018)





ELCOD - ENDURANCE LOW-COST DRONE (2016)

The project: The ELCOD consortium aims to develop a low-cost drone capable of flying in all weather conditions with a range of several thousand kilometers. The first aim of this prototype will be to ensure the surveillance of the climate and atmospheric pollution. Due to its large capacity and autonomous flight, a large number of missions can be carried out by this drone.

Partners: Offenburg University, INSA Strasbourg, CNRS (ICPEES), Pôle Véhicule du Futur

Associated Partners: MaHyTec, In'Air Solutions, Modelage concept, GeneSys Electronics GmbH

Total budget: 991,918 € (EFRD: 495,959 €; regional funds: 249,999 €)



➔ [Video ELCOD project](#)

➔ <http://www.elcod.eu/wp/>



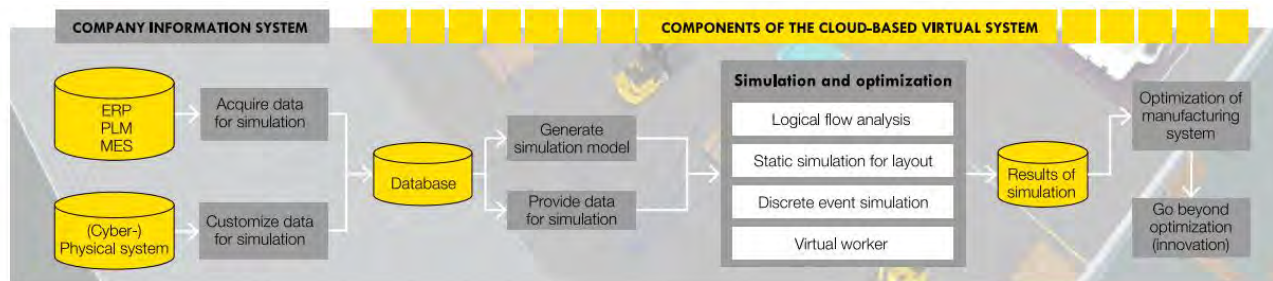
VIRTFAC - OPTIMISING THE TRANSITION TO INDUSTRY 4.0: PLANNING THE RIGHT PRODUCTION SYSTEM AT THE RIGHT TIME (2018)

The project: The VIRTFac project focuses on the development of a digital platform enabling companies to design cyber-physical production systems. The platform, with the help of which factory processes can be represented virtually, will also provide various computational tools for the redesign or optimisation of production systems. In addition, the project addresses fundamental research questions concerning the emerging needs related to the introduction of virtual industrial planning platforms.

Partners: INSA Strasbourg (ICube – Equipe Conception, Système d’Information et Processus inventifs (CSIP)), Hochschule Offenburg, Université de Strasbourg

Associated partners: Safran Landing Systems Molsheim Atelier Carbone, Altran Technologies Division Est, Siemens Division Production Process Automation Haguenau, Socomec, Plavis GmbH, CCI Alsace Eurométropole, Grand E-Nov, Rhenatic, ECAM Strasbourg-Europe, N. Schlumberger

Global budget: 999,996 € (ERDF: 499,998 €; regional funding: 249,999 €)



[Video Virtfac DE](#)
[Video Virtfac FR](#)

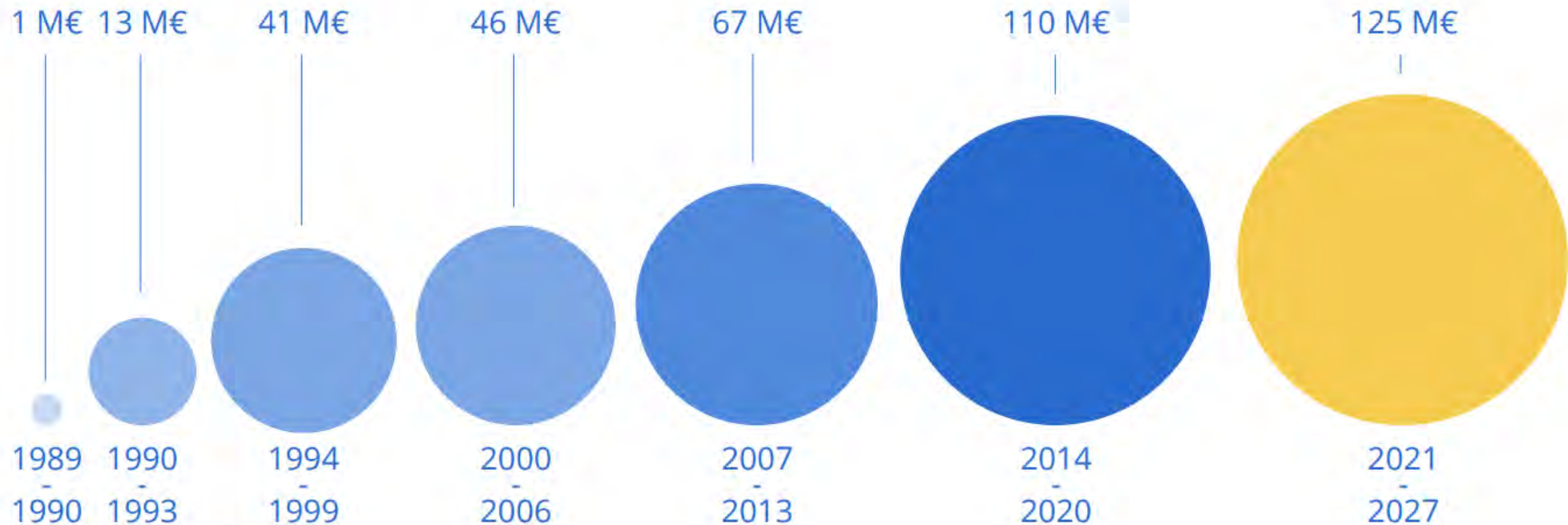
Interreg VI Upper Rhine 2021-2027

EVENEMENT DE LANCEMENT · AUFTAKTVERANSTALTUNG · 01.06.2022

PROGRAMME
PROGRAMM 2021-2027



More money from Brussels...



Key elements of the Interreg VI Upper Rhine programme

EVENEMENT DE LANCEMENT · AUFTAKTVERANSTALTUNG · 01.06.2022

PROGRAMME
PROGRAMM 2021-2027



- **Total funding volume of the 2021 – 2027 programme:** 125 million euros (+14%)
- **Swiss participation through New Regional Policy (NRP) and cantons:** constant contribution of approx. CHF 24 million is allocated
- **Co-financing rate:** between 50% (priorities B, D) and 60% (priorities A, C, E)



Interreg VI Upper Rhine 2021-2027 – Priority D

Objectif spécifique D.1: « Développer et améliorer les capacités de recherche et d'innovation ainsi que l'utilisation des technologies de pointe »

Specific objective D.1: „Development and expansion of research & innovation capacities and the use of advanced technologies“

Priorité / Priorität D
vers une région
transfrontalière
plus intelligente

Recherche et
innovation

Forschung und
Innovation

Compétitivité et
croissance des PME
Wettbewerbsfähigkeit
und Wachstum der
KMU

Soutien des développements transfrontaliers suivants:

- Développer et utiliser de manière commune les potentiels de R&D et d'innovation nouveaux ou existants et insuffisamment exploités au niveau transfrontalier
- Développer le transfert de technologie et de connaissances entre l'ensemble des acteurs de la chaîne de valeur au niveau transfrontalier, en particulier entre la R&D, l'innovation et les entreprises
- Développer des projets de R&D et d'innovation dans les domaines des stratégies de spécialisation intelligentes des territoires du Rhin supérieur où il existe des besoins communs et une forte plus-value à travailler au niveau transfrontalier

Support of the following cross-border developments:

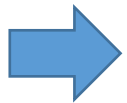
- Joint development and use of new or existing and insufficiently exploited potentials in R&D and innovation at cross-border level
- Strengthening technology and knowledge transfer between all actors in the value chain at cross-border level, in particular between R&D, innovation and business actors
- Develop R&D as well as innovation projects in the fields of the regional innovation strategies for smart specialization where there are overlapping needs and a distinct added value of cross-border cooperation

Please note: Innovation and research projects must be linked to one of the innovation topics identified in the programme

→ Digitalization, cybersecurity, quantum sciences and technologies, energy transition, sustainable mobility, agriculture and forestry, bioeconomy, innovative therapies and Med Tech, personalized medicine, materials and processes, social innovation

Science Offensive 2021-2027: Fundable measures (examples)

- Development of demonstrators, prototypes or functional models
- Conducting test series or pilot applications to demonstrate practical implementation
- Conducting feasibility studies for application in a cross-border context
- Developing new application areas e.g. by testing in new environments/settings, extended scaling or special adaptation of the invention to selected key areas
- Testing and evaluation of research results to demonstrate economic or societal innovation potential
- Studies on the legal and ethical framework for a market launch of the functional models or prototypes



Non-exhaustive list!

Science Offensive 2021-2027: Funding

- Duration: usually 24 months, max. 36 months in justified exceptional cases
 - Total volume of projects eligible for funding: 1 million EUR
 - Co-funding by **INTERREG** in the amount of **50%** of the total eligible costs of the project
 - Additional financial contribution from regional **EFRD funds**. It amounts in principle to **25%** of the total eligible costs of the project
 - **Own contribution** of **25%** of the total eligible costs of the project. The project lead and partners will ensure that their respective contributions are balanced.
 - Cost categories or simplified cost options as in Interreg projects (here cost categories in Interreg V A UR):
 - Preparation costs
 - Staff costs
 - Office and administrative expenses
 - Travel and accommodation costs
 - Costs for external expertise and services
 - Equipment costs
- several simplified cost options 2021-2027 (lump sums)

KNOWLEDGE TRANSFER UPPER RHINE

Pilot project of crossborder KTT
of France, Switzerland, Germany

Project partners: 12 universities

10/2019 – 9/2022

total project costs: about 4 Mio. €

Main objective
facilitating networking and
project initiation

Specific objectives
a long-term cross-border
network of KTT offices

a digital information and
exchange platform as a single
entry point

joint cross-border KTT offers

12 Universities and Universities of Applied Sciences

5 EUCOR Universities

- Basel
- Freiburg
- Haute-Alsace
- KIT
- Strasbourg

6 TriRhenaTech Universities of Applied Sciences

- Furtwangen
- Kaiserslautern
- Karlsruhe
- Lörrach
- Nordwestschweiz
- Offenburg

and Universität Koblenz-Landau



Associated project partners

Key partners:

Alsace Tech

EGTC Eucor

SATT Conectus Alsace

Wissenschaftssäule der Trinationalen Metropolregion Oberrhein

As well as:

BaselArea.swiss, CCI Alsace Eurométropole,

Freiburg Wirtschaft Touristik und Messe GmbH & Co. KG, GrandE-Nov, Hightech Zentrum Aargau AG,

IHK Karlsruhe, Wirtschaftsförderung Karlsruhe – PAMINA Business Club



Cofinancé par l'Union européenne
Fonds européen de développement régional (FEDER)
Von der Europäischen Union kofinanziert
Europäischer Fonds für regionale Entwicklung (EFRE)



Schweizerische Eidgenossenschaft
Confédération suisse
Confederaziun Svizra
Confederaziun svizra
Swiss Confederation



Members of the KTUR advisory board



Medtech
investment fund



Cofinancé par l'Union européenne
Fonds européen de développement régional (FEDER)
Von der Europäischen Union kofinanziert
Europäischer Fonds für regionale Entwicklung (EFRE)



Schweizerische Eidgenossenschaft
Confédération suisse
Confederaziun Svizra
Confederaziun svizra
Swiss Confederation



OUR OFFERS

- Single entry point
- Continuing education
- Creating startups and innovation
- Innovation events
- Structuring the cooperation of the KTT offices of the project

Cassiano Luminati

Director at Polo
Poschiavo



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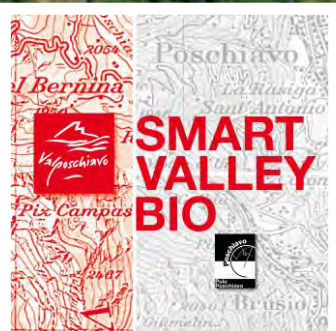
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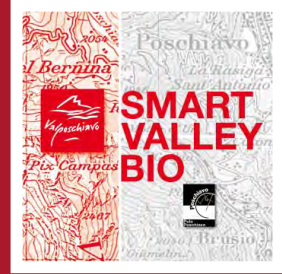
Valposchiavo

Innovazione attraverso la cooperazione transfrontaliera e alpina

Cassiano Luminati
Direktor des Polo Poschiavo



Valposchiavo



17% Bio in der Schweiz

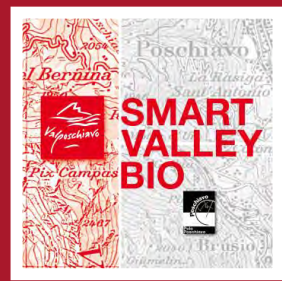


67% Bio in Graubünden

96% Bio in der Valposchiavo

UNESCO Weltkulturerbe

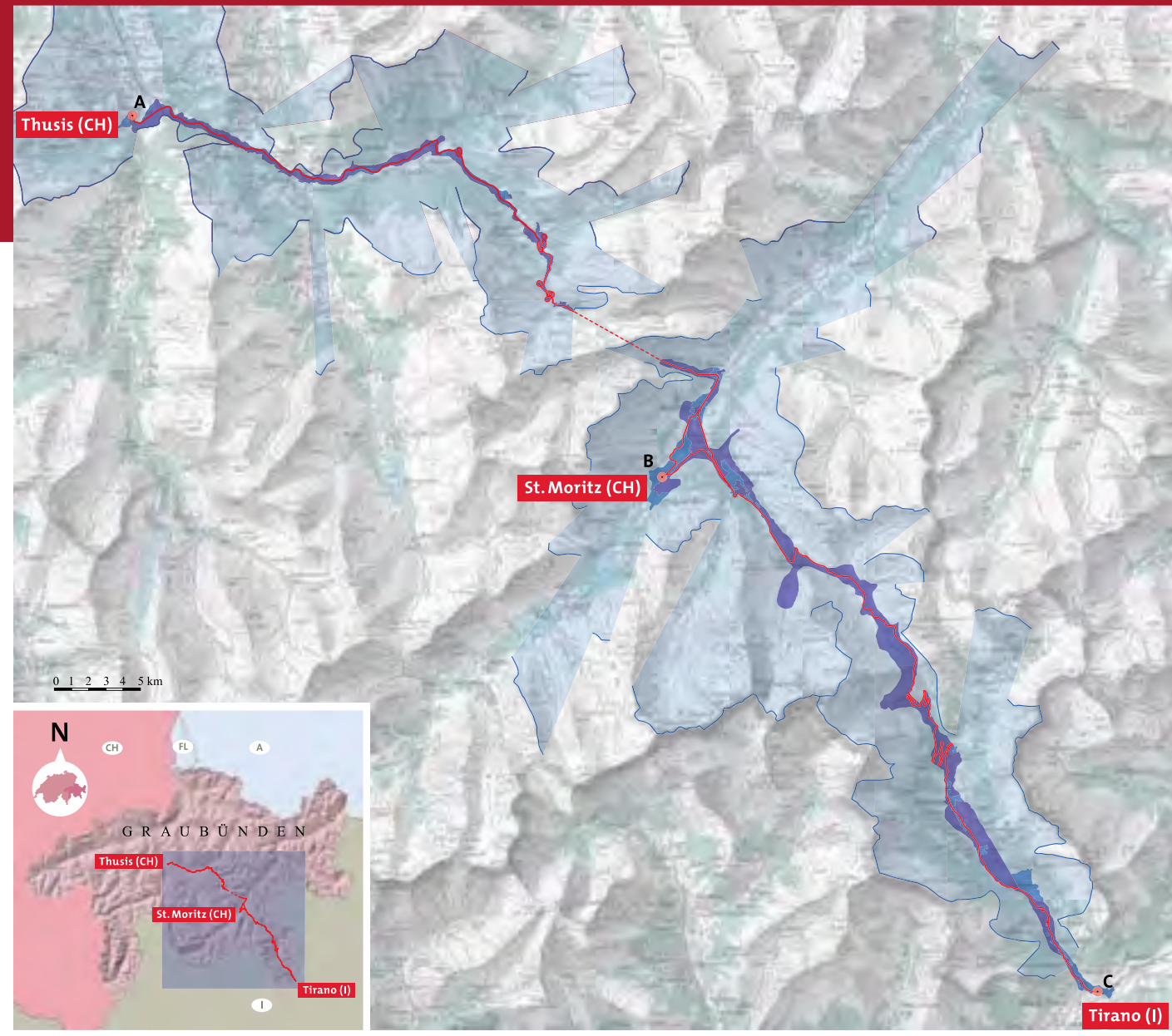
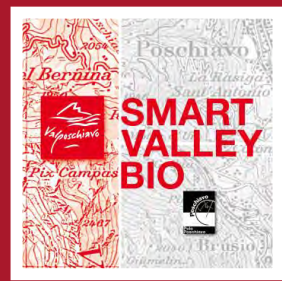
(2008)



Ferrovia retica

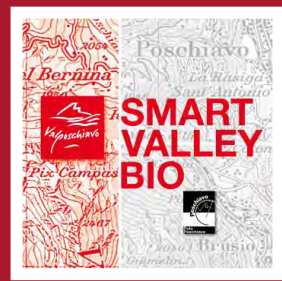
UNESCO
PATRIMONIO
MONDIALE
ALBULA + BERNINA

graubünden



Smart Valley 100% BIO

(2012)



- Landschaft
- Kompetenzentwicklung
- Verwendung der Ressourcen
- Mobilität
- Governance

Regionale Strategie



**(Produktive) Landschaft
im Zentrum der
regionalen Entwicklungsstrategie**

Das Handwerk



- **Vernetzen**
- **Verbinden**
- **Koordinieren**
- **In grenzüberschreitende funktionale Räume denken**

Instrumente

Interreg 
EUROPEAN UNION

Alpine Space

AlpFoodway
EUROPEAN REGIONAL DEVELOPMENT FUND

Smart Valley Bio Strategie
UNESCO Weltkulturerbe Albula Bernina
PRE 100% (Bio) Valposchiavo
Landschaftsqualitätprojekt

Projekt Trockenmauern/ Terrassenlandschaft

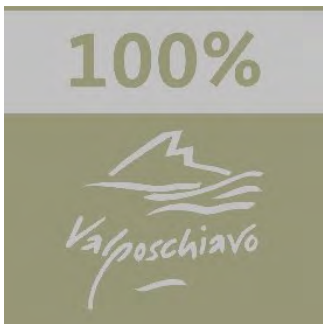
Marke 100% Valposchiavo

Smart Valley Bio: Ipermappa di Comunità (Modellvorhaben)

Interreg Italien Schweiz Projekte (E.CH.I.)

Interreg Alpenraum Projekt AlpFoodway und AlpTextyles

UNESCO Konvention Immaterielles Kulturerbe



Kooperation auf verschiedenen Ebenen



GIAHS
Globally Important Agricultural Heritage Systems



United Nations
Educational, Scientific and
Cultural Organization



Intangible
Cultural
Heritage



World Tourism Organization

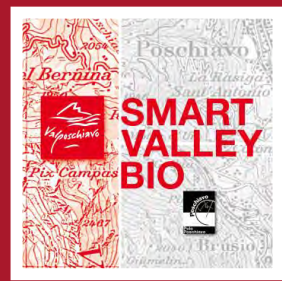


**BEST
TOURISM
VILLAGES**
by UNWTO

**Valposchiavo
Alpen
Welt**



Interreg IT-CH Projekt E.CH.I. www.IntangibleSearch.eu



INTANGIBLE SEARCH INVENTARIO DEL PATRIMONIO IMMATERIALE DELLE REGIONI ALPINE

INTANGIBLE SEARCH INVENTARIO MAPPA CERCA ESPLORA COMMUNITY

MAPPA DEI BENI IMMATERIALI

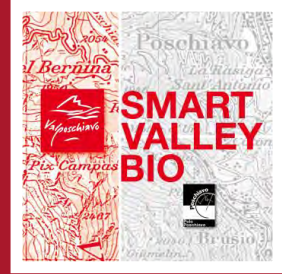
DOCUMENTI: 262

- TUTTE LE CATEGORIE
- ARTI E SPETTACOLO
- ESPRESSIONI ORALI
- RITI E PRATICHE SOCIALI
- NATURA E UNIVERSO
- SAPERI TECNICI E ARTIGIANALI

TUTTI I TERRITORI

- LOMBARDIA
- PIEMONTE
- VALLE D'AOSTA
- TRENTINO-ALTO ADIGE
- CANTON TICINO
- CANTON GRIGIONI
- CANTON VALLESE

Interreg Alpine Space Projekt AlpFoodway

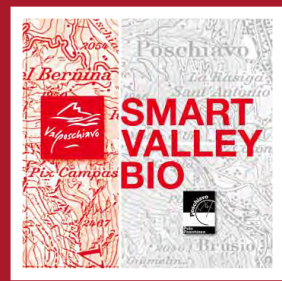


Interreg
Alpine Space
AlpFoodway
EUROPEAN REGIONAL DEVELOPMENT FUND



AlpFoodway
a cross-disciplinary, transnational and participative approach
to Alpine food cultural heritage

Von Interreg zur UNESCO



ALPINE FOOD HERITAGE

A programme for the safeguarding of the Traditional Knowledge, practices and values of the Alpine communities

Multinational nomination in the Register of Good Practices of the UNESCO Convention for the Safeguarding of the INTANGIBLE CULTURAL HERITAGE





Grazie dell'attenzione.

Austausch, brainstorming

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#1135 183



Brainstorming - Exchanges

1. Quels avantages de collaboration pour l'innovation? In your opinion, what are the advantages of cross-border cooperation for innovation (multiple options) ?

1- In your opinion, what are the advantages of cross-border cooperation for innovation (multiple options) ? 33  ...

Easier networking



Access to proximity skills and expertise for cooperative partnerships



Opening up to Europe / the rest of the world



Access to dedicated funding tools and programmes



Access to talent/labour on the cross-border labour market



Other



Brainstorming - Exchanges

1. Quels avantages de collaboration pour l'innovation?
2. Quels manques encore à combler, quelles difficultés rencontrées? In your opinion, what obstacles still exist to taking full advantage of the cross-border context in the field of innovation (multiple options) ?



2 - In your opinion, what obstacles still exist to taking full advantage of the cross-border context in the field of innovation (multiple options) ?

20 

Differences in language and working culture



35%

Competition prevails over cooperation



15%

Legal, administrative or tax problems



58%

Lack of knowledge of potential partners on the other side of the border



38%

Difficulties for Swiss players to participate in European programmes dedicated to innovation



38%

Other



4%

Brainstorming - Exchanges

1. Quels avantages de collaboration pour l'innovation?
2. Quels manques encore à combler, quelles difficultés rencontrées?
3. Quelles thématiques pour la coopération de demain? What are the themes for tomorrow's cross-border cooperation in innovation (thematic, e.g. health, energy, sustainability, digital, etc.) or for serving innovation (structuring ecosystems, funding tools, removing administrative or legal obstacles, etc.)?



- Energy: 8
- Health: 4
- Sustainability: 4
- Education: 3
- Mobility: 2
- Agriculture: 2
- Security: 2
- Biodiversity: 1
- Diminution CO2: 1

- Creative economy: 1
- Digitale Transformation : 1
- Climate change : 1
- Digital : 1
- flat tax for the region : 1
- Mobilité durable: 1
- Health/Energy: 1
- Digital Networks: 1
- Transitions: 1
- Bioeconomie: 1
- Mobilität: 1

- Cyber Security: 1
- Hydrogène: 1
- Network: 1
- Democracy: 1
- Energie: 1
- Digital, data protection: 1
- Water: 1
- Barrière administrative: 1
- Salute: 1
- Culture : 1

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Thank you

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