Planet Week del G7 Clima, Energia e Ambiente Climate, Energy and Environment

WHO NEEDS WATER?
Managing drought in Alps. Climate change and Alpine water resource to be preserved

Eurac Research

Roberta Bottarin

TORINO, 24 aprile 2024 Palazzo della Regione Piemonte Piazza Piemonte 1

MINISTERO DELL'AMBIENTE
E DELLA TUTELA DEL TERRITORIO E DEL MARE

ALPENKONVENTION
CONVENTION ALPINE
ALPSKA KONVENCIJA
CONVENZIONE DELLE ALPI

italian delegation
alpine convention

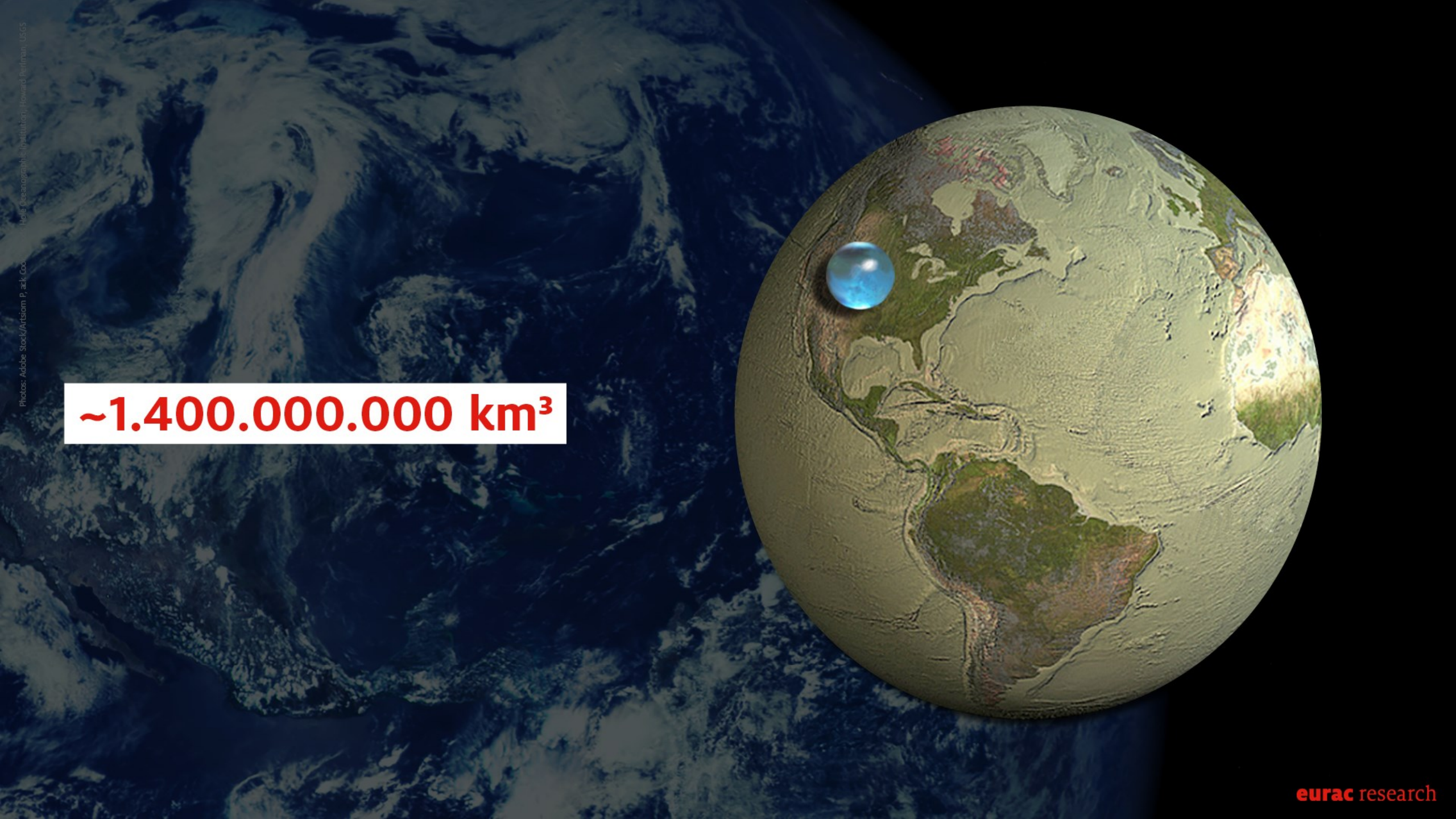
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Photo: Adobe Stock/Artsiom P

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Photos: Adobe Stock/Artsiom P; ask Co
logy/Oceanography Institute/Jerry Howard/Perlman, USGS

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Photo: Adobe Stock/Buffy1982
Montagne sono
serbatoi idrici
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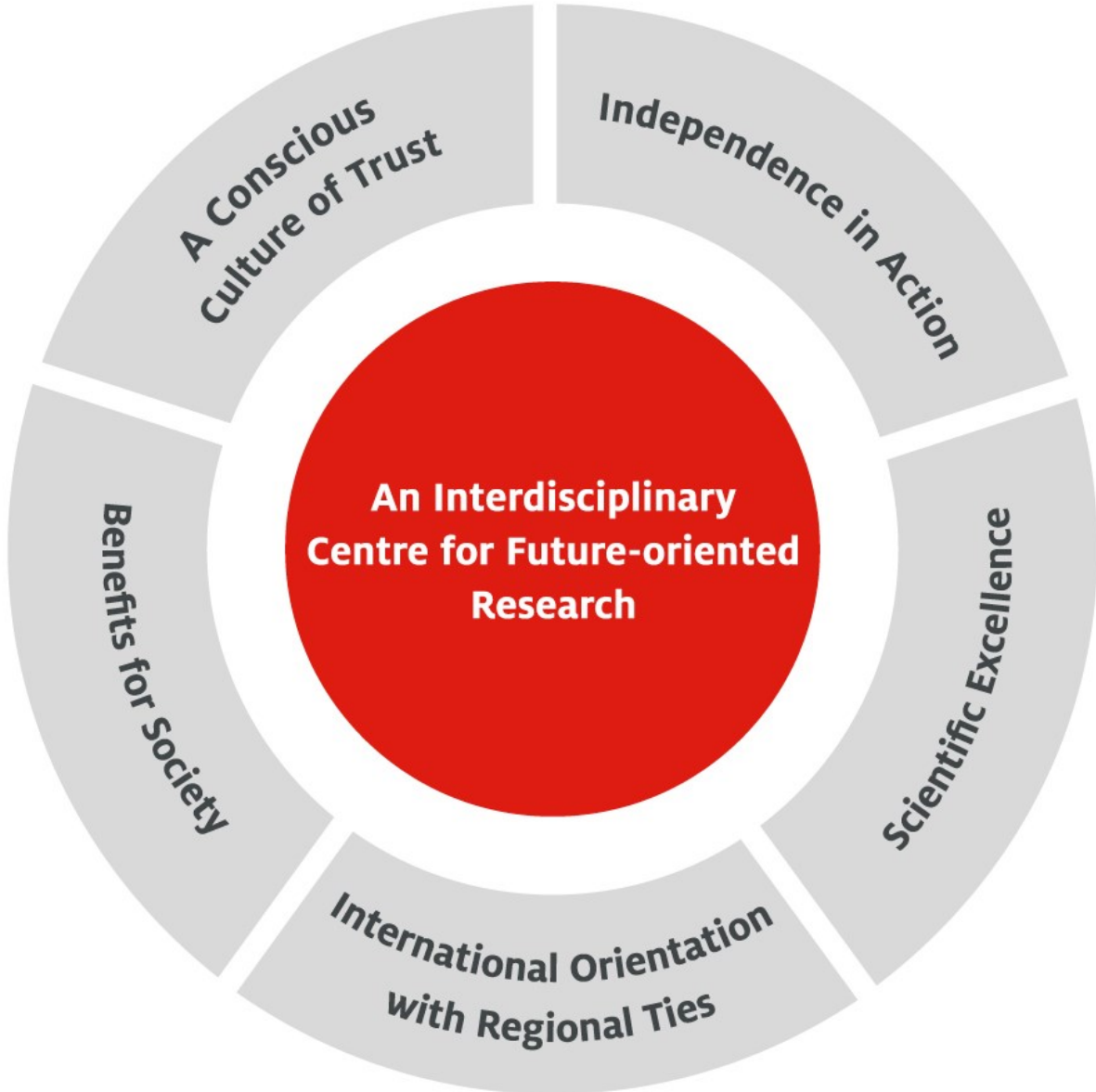

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Eurac Research
è un centro di ricerca privato fondato a Bolzano nel 1992.

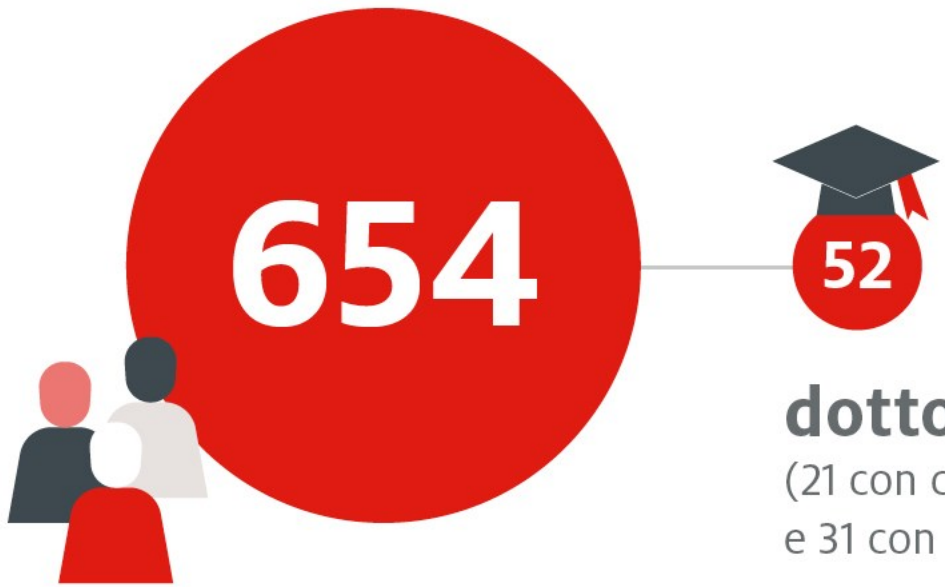
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A Conscious Culture of Trust
Independence in Action
Scientific Excellence
International Orientation with Regional Ties
Benefits for Society
An Interdisciplinary Centre for Future-oriented Research

18 Istituti e Centri

- Istituto per l'ambiente alpino
- Istituto di linguistica applicata
- Istituto di biomedicina
- Istituto di studi federali comparati
- Istituto per l'osservazione della Terra
- Istituto sui diritti delle minoranze
- Istituto per la medicina d'emergenza in montagna
- Istituto per lo studio delle mummie
- Istituto per il management pubblico
- Istituto per lo sviluppo regionale
- Istituto per le energie rinnovabili
- Center for Advanced Studies
- Center for Autonomy Experience
- Center for Climate Change and Transformation
- Center for Global Mountain Safeguard Research
- Center for Migration and Diversity
- Center for Sensing Solutions
- terraXcube

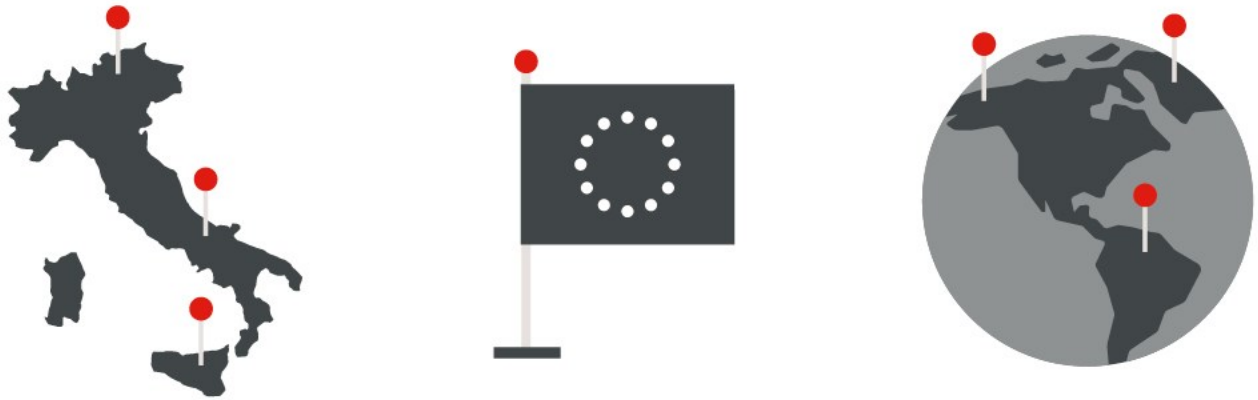
Persone che lavorano con noi



dottorande e dottorandi
(21 con contratto da dipendente
e 31 con borsa di studio)

Fonte: banche dati interne.
Dati al 31.12.2023 (rivelazione 31.01.2024).

Collaboriamo con



1.034

partner in progetti di ricerca

Fonte: banche dati interne.
Dati al 31.12.2023 (rivelazione 31.01.2024).



Photo: Eurac Research/Annelie Bortolotti

Centro Congressi

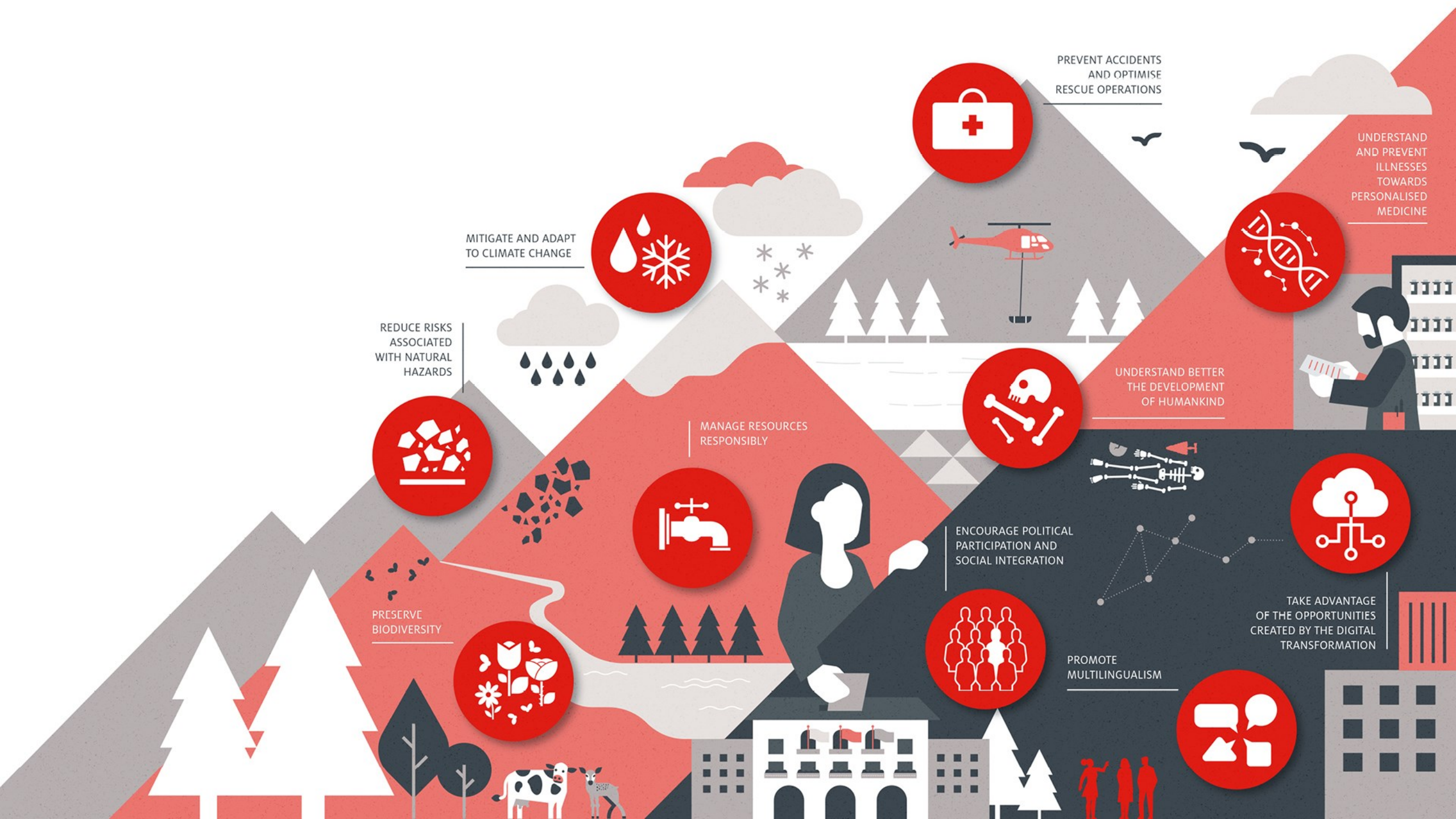
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Photo: Eurac Research/Annelie Bortolotti

Communicazione scientifica

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PREVENT ACCIDENTS AND OPTIMISE RESCUE OPERATIONS
UNDERSTAND AND PREVENT ILLNESSES TOWARDS PERSONALISED MEDICINE
MITIGATE AND ADAPT TO CLIMATE CHANGE
REDUCE RISKS ASSOCIATED WITH NATURAL HAZARDS
UNDERSTAND BETTER THE DEVELOPMENT OF HUMANKIND
MANAGE RESOURCES RESPONSIBLY
ENCOURAGE POLITICAL PARTICIPATION AND SOCIAL INTEGRATION
TAKE ADVANTAGE OF THE OPPORTUNITIES CREATED BY THE DIGITAL TRANSFORMATION
PRESERVE BIODIVERSITY
PROMOTE MULTILINGUALISM



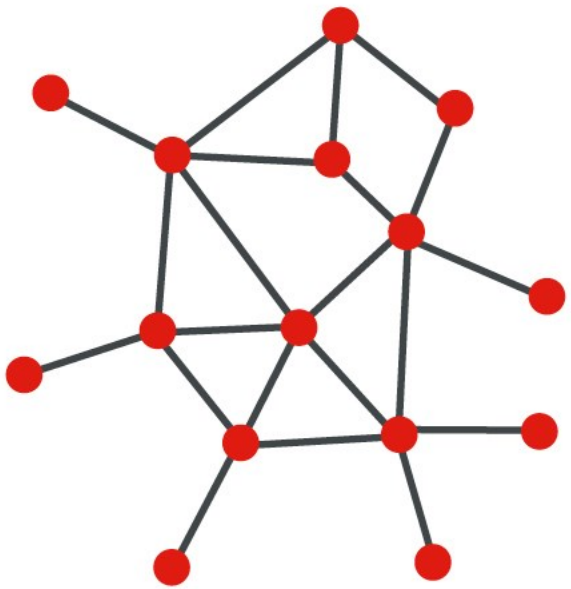
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Obiettivi strategici e scientifici: sostenibilità, resilienza e adattamento ai cambiamenti climatici

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Come



Approccio interdisciplinare



Collaborazioni e partnership



Supporto decisionale e consulenza

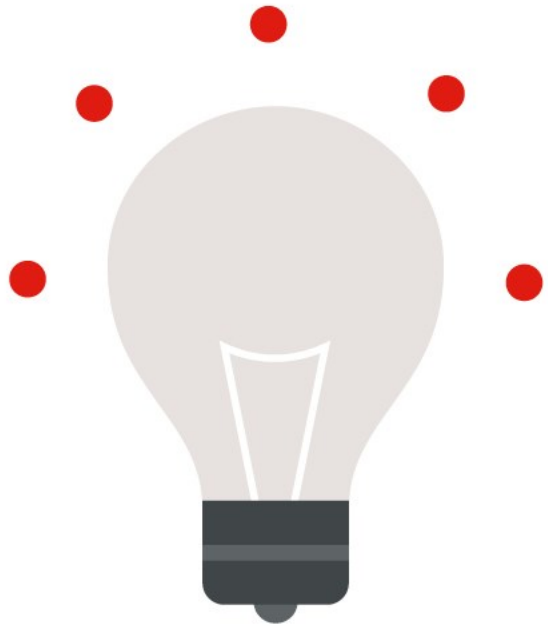
Cosa



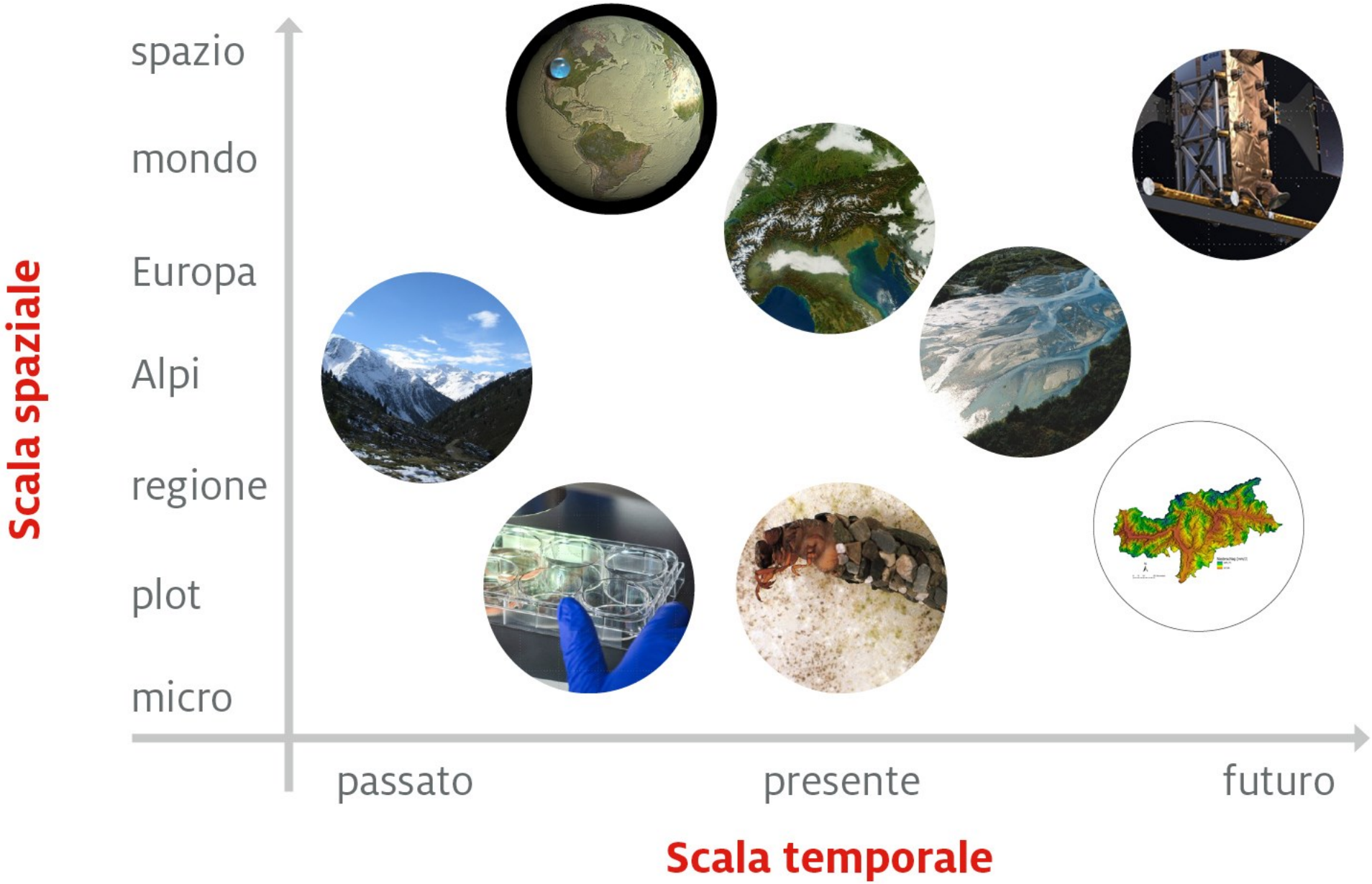
Monitoraggio e previsione



Vulnerabilità e valutazione dell’impatto



Strategie di gestione adattiva


spazio
mondo
Europa
Alpi
regione
plot
micro
Scala spaziale
passato
presente
futuro
Scala temporale



Monitoraggio della biodiversità

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Monitoraggio della biodiversità

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Energie rinnovabili

Photo: Wieser Media


Photo: Luca Meneghel
Energie rinnovabili
Mobilità elettrica
per un turismo sostenibile
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Photo: Eurac Research/Ivo Corrà

Adattamento climatico, resilienza

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Photos: Eurac Research/Andrea De Giovanni
Relazioni funzionali fra vegetazione, clima, risorsa idrica
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Relazioni funzionali fra vegetazione, clima, risorsa idrica

Photo: Eurac Research

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Agricoltura


Photo: Eurac Research
Agricoltura
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Neve e ghiaccio

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Photo: Paul Harris / Gamma-Rapho / Getty Images

Neve e ghiaccio

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Rischio (alluvioni, frane)



Photo: Adobe Stock/motortion

Governance, policy, gestione

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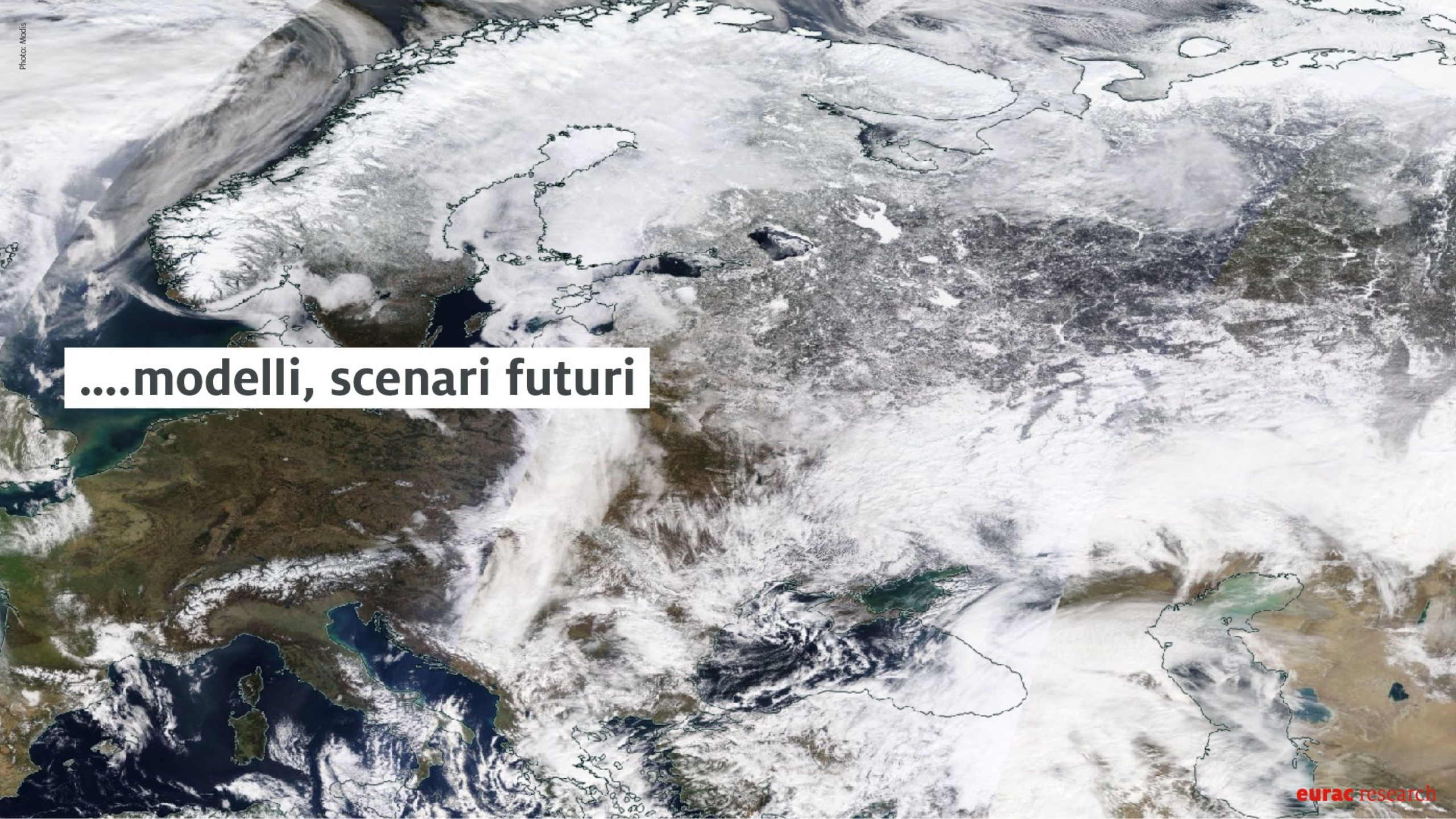
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Valore ricreativo e sportivo

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Implicazioni sociali, migrazione, percezioni



....modelli, scenari futuri


Photo: Modis / Nasa World view
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GRAZIE

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