

Outreach and Dissemination

Experiences from **CORE-CLIMAX**

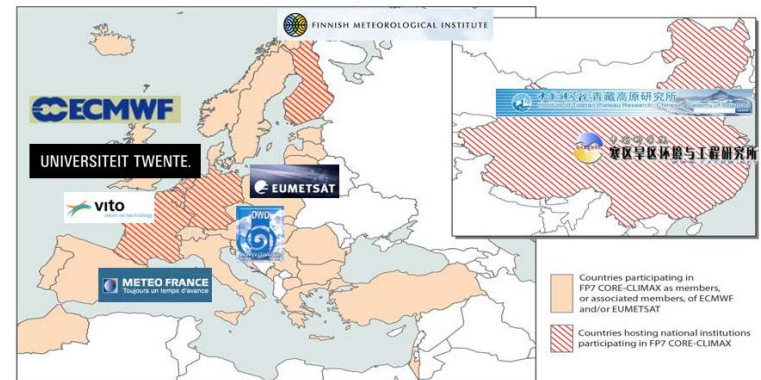
COordinating Earth observation data validation for RE-analysis for CLIMate ServiceS

CORE-CLIMAX PROJECT TEAM

Prepared by

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Prof. Bob Su (coordinator, ITC, University of Twente)





Climate Service Centre FMI

Some examples of target groups and joint research

- Climate portal for municipalities – Climateguide.fi
- Climate information for regional climate strategies
- Education for journalists, schools and capacity building e.g., in Asia, Africa, South-America
- Climate guidelines for building and construction
- Climate change impact research on agriculture and forests and management practices
- Research and operational seasonal services for traffic in Baltic Sea
- Energy sector (Nordic Cooperation)
- Data delivery and consultancy for various user groups (insurance, research institutes, private enterprises)

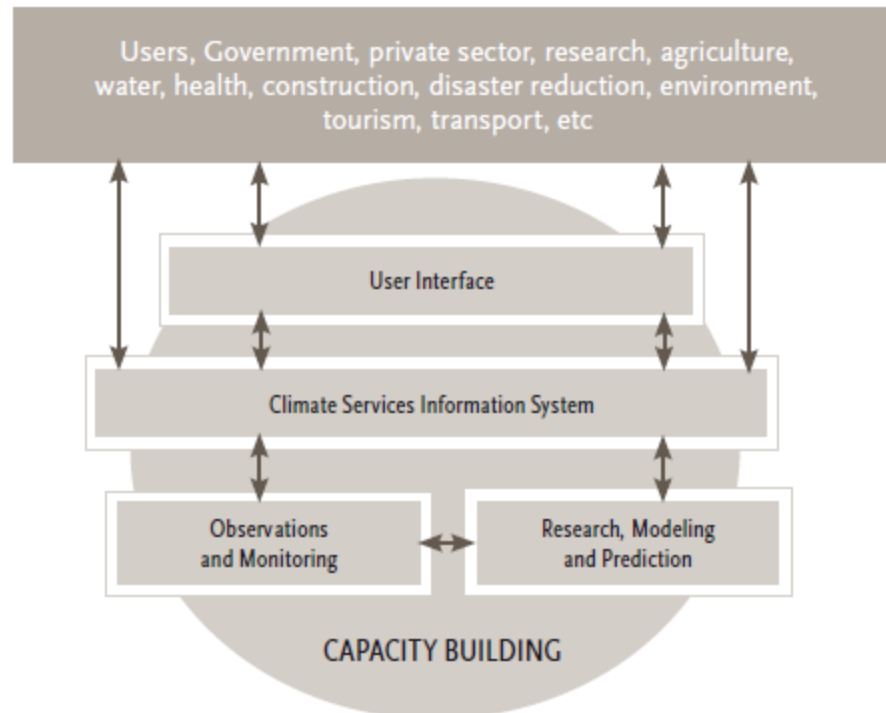


Collection of FMI research on Arctic
Issues

Funding from e.g., EU, World Bank, NordForsk, Finnish Academy, Ministry of Transport and Communications, Ministry of Agriculture and Forestry, Finland's environmental administration

Climate change adaptation may determine most likely the future of the mankind.

ITC provides the essential capacity building for GEO, ESA Dragon and ESA TIGER Programme



ITC MSc/PhD Programme

Water Resource and Environmental Management

<http://www.itc.nl/wrs/>

Education and Capacity building for climate change needs urgent actions.

REA
(Project Officer)

CoreClimax workpackages

Advisory Board
Individual experts

CORE-CLIMAX
WP1:
Project
Management
(ITC)

WP2
European ECV
capability and
structured ECV process

(EUMETSAT, ITC, VITO
DWD, FMI, MTF)

WP3
Validation process

(ITC,
EUMETSAT, ECMWF,
DWD, VITO, FMI, MTF,
ITP, CAREERI)

WP4
Reanalysis feedback to
CDR updates

(ECMWF,
EUMETSAT, DWD, ITC)

WP6
Dissemination,
outreach and
capacity building

(ITC, EUMETSAT,
ECMWF, DWD, FMI)

WP5
Intercomparing
reanalysis results

(FMI, DWD, ECMWF)

- ↔ Mandatory Information
- ↔ Feedback Information
- ⋯ Advisory Information



CORE-CLIMAX DATA QUALITY AND DISSEMINATION OBJECTIVES

- coordinate with European and international stakeholders
- to organize the dissemination/outreach activity
- provide a forum for providers of EO data and climate researchers to assess the status of available datasets (e.g., **Maturity Matrix**)
- survey and review existing European and International activities which contribute towards climate monitoring and climate change assessments
- recommend which of these existing activities provide climate quality products;
- review gaps in European contributions

Elements of 'Outreach and Dissemination' are Education, general public and authorities, reports, media, bulletin



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OUTREACH AND DISSEMINATION – EXPERIENCES IN FP7 CORE-CLIMAX



WP5: Reanalysis User and Application Survey

▪ Objectives

- ✓ To survey the awareness of the scientific community on uncertainties in the reanalyses, and the effects of these to deliver climate services
- ✓ To collect information on requirements from the scientific community regarding the improvement of reanalyses for better climate services



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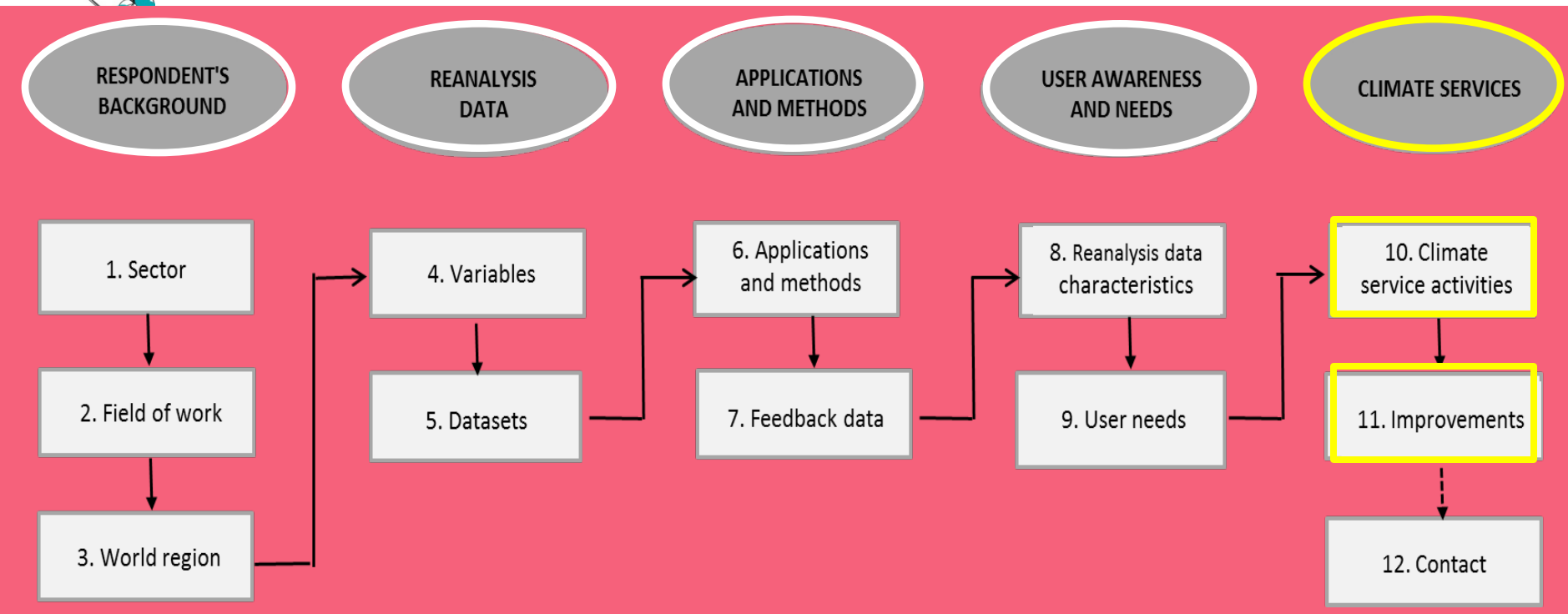
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SURVEY STRUCTURE

- In light of the variety of reanalyses and development of future climate services we approached the end-users and developers with 11 questions



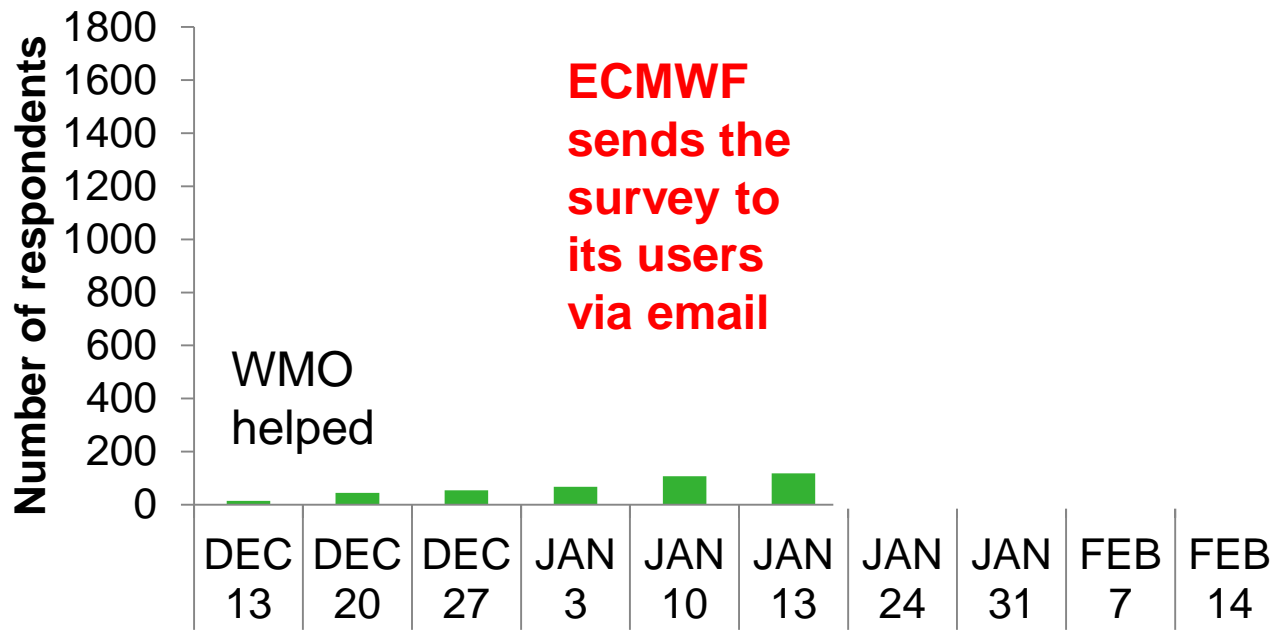
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ANSWER RATE (POSTED ON WEB 22.11.2013)

- The survey is found e.g., on page <http://www.coreclimax.eu/> and still open until Feb 28th on <http://www.reanalysis.org/>
- Advertising, emailing and posting on the internet sites is vital!



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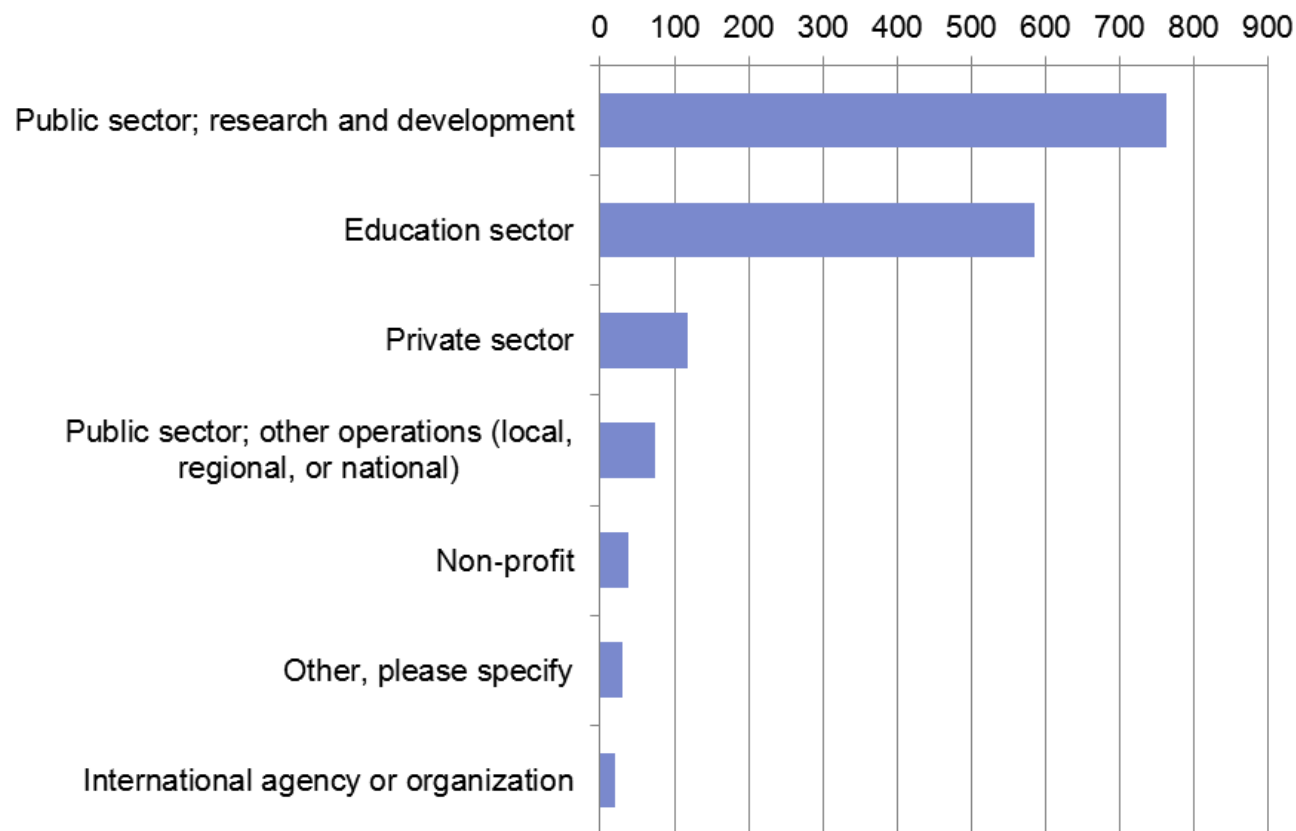
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1. What is your sector of work? (1626 respondents)

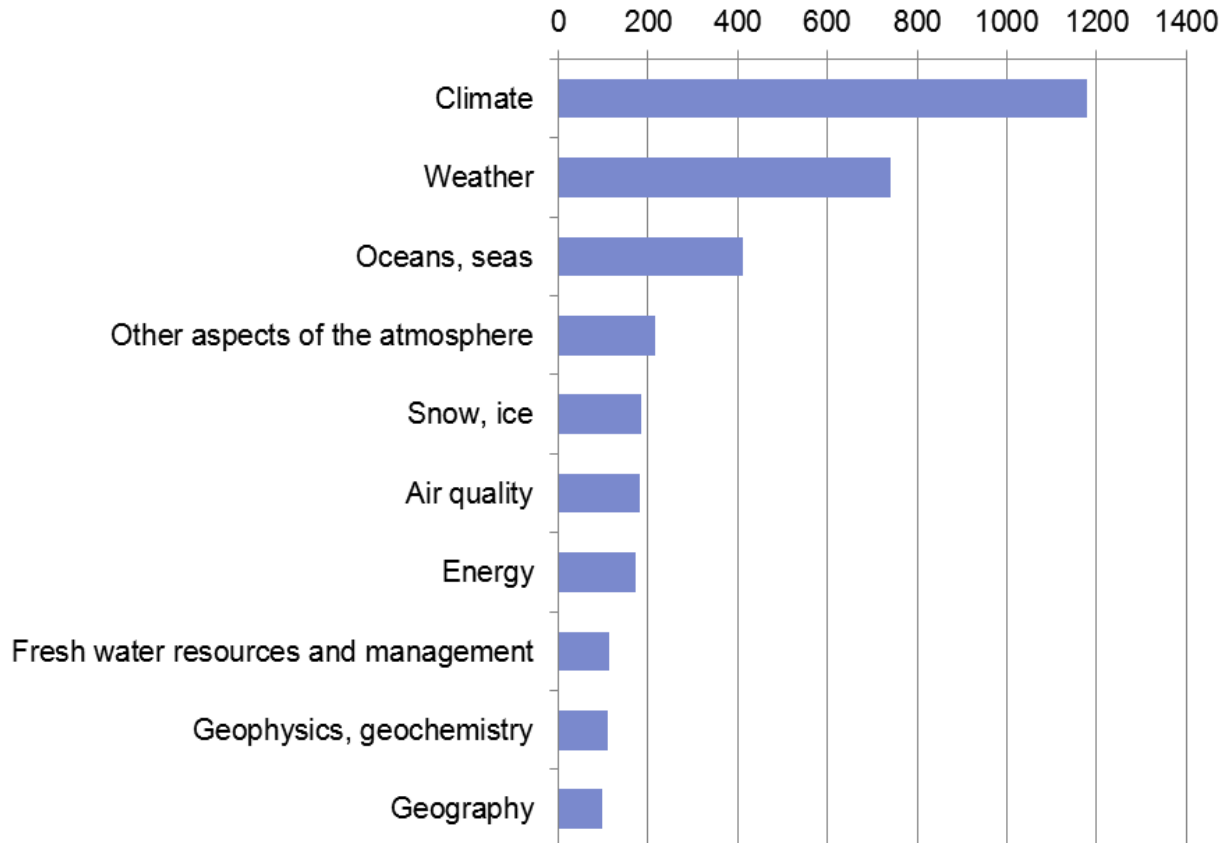
- 1. Public sector; R&D 762 answers (47% of the respondents)
- 2. Education sector 585 (36%)
- 3. Private sector 118 (7%)





2. What best describes your field or subject of work?

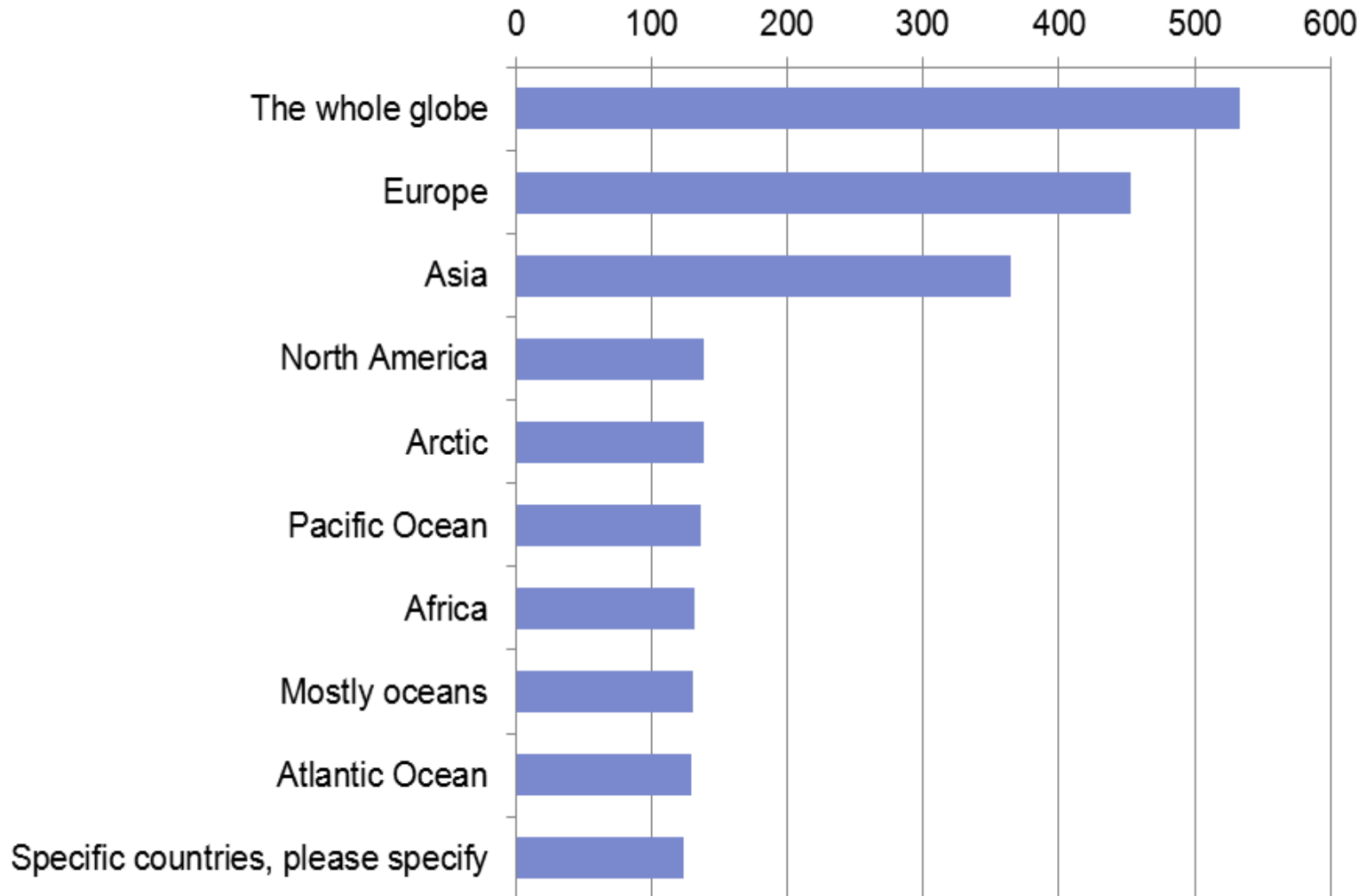
1. Climate 1180 answers (72% of the respondents)
2. Weather 742 (46%)
3. Oceans, seas 413 (25%)



- 1631 respondents
- 2.6 choices per respondent on average
- Over 100 subjects mentioned



3. On which region of the world do you mainly focus your work?





Core
Climax



CORE-CLIMAX Capacity Building Workshop

This workshop will take place at the [FMI](#) Head Quarters
Helsinki, Finland on 19th -20th March 2014.

The objectives of the workshop are to

- ✓ provide guidance and expertise
- ✓ to train people on the use of climate information and its associated uncertainty
- ✓ to provide generic tools to build the bridge between the climate information and the users' need.

<http://www.coreclimax.eu/?q=WorkshopFMI>



AGENDA OF THE 1ST CAPACITY BUILDING WORKSHOP

- Day 1, Morning: User friendly products for Climate Services
 - Day 1, Afternoon: Reanalyses products and data assimilation for Climate Services
 - Day 2, Morning: Which data are suitable for your application? - Support tools & info to make choices
 - Day 2, Afternoon: Following general validation strategies in your application
-
- 60-75 participants is ultimate
 - we will document all relevant aspects which helps that the learning and teaching may continue for each participant after the workshop
 - Registering for the workshop by using the [online registration form](#) prior to 19 February 2014.



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