



CCCA Round Table

Vienna, February 17th 2016

www.ccca.ac.at





The Climate Change Centre Austria (CCCA)

- › Austrian alliance of climate research and climate impact research institutions

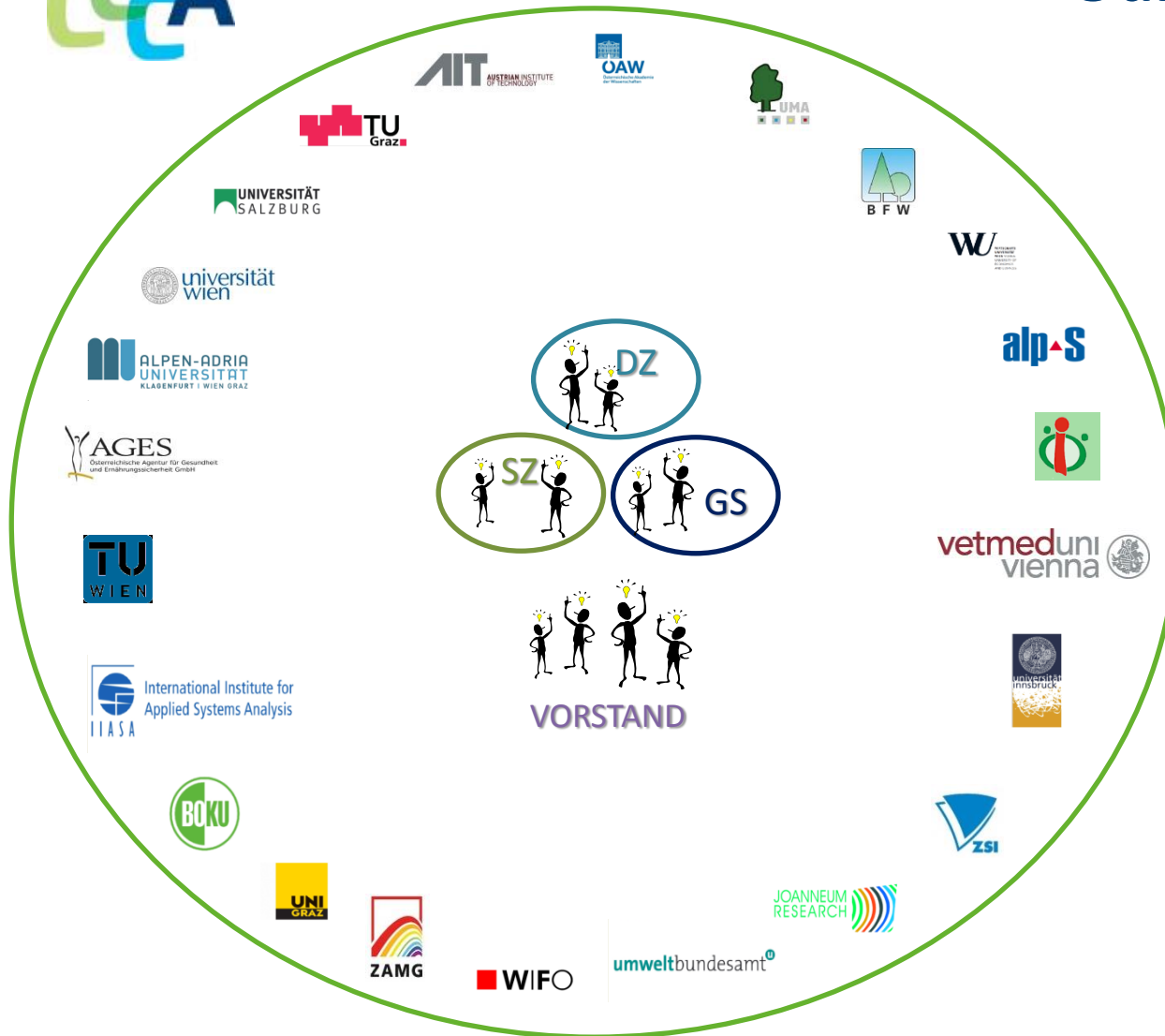
Goals:

- › Strengthening the Austrian climate research community
- › Facilitate the education of young researchers
- › Support knowledge transfer (e.g. science to science, science to public)
- › Advise society and decision makers (e.g. public administration)



Our network today

- › 23 research institutions as members
- › 4 supporting members: ESSL, GBA, ÖGM, Weatherpark GmbH



Our executive board:

Wolfgang Schöner	Universität Graz
Angela Michiko Hama	alpS
Herbert Formayer	BOKU Wien
Helmut Haberl	AAU
Andreas Richter	Universität Wien
Elisabeth Riegler	Umweltbundesamt
Claudia Kettner	WIFO
Gerhard Wotawa	ZAMG
Johann Stötter	Universität Innsbruck



Upcoming opportunities for CCCA members



Science Plan

- › Science Plan = Common, national strategic research agenda for Austria
- › Online Commenting phase is open **until April 11th**

<http://www.ccca.ac.at/de/ccca-aktivitaeten/science-plan/kommentierungsprozess/>





Pre-announcement for ERA4CS Joint Call

ERA-NET Consortium “European Research Area for Climate Services” (ERA4CS): designed to boost the development of efficient Climate Services in Europe

- › Large scale Joint Transnational Call on Researching and Advancing Climate Services Development by
 - (A) Innovative co-development with users
 - (B) Institutional integration
- › Federal Ministry of Science, Research and Economy (bmwfw) joins in with 400.000€
- › Call opening: **Early March 2016**

<http://www.jpi-climate.eu/home>





Klimatag (06.- 08.04.2016) in Graz

CCCA Networking Day

Young researchers:

- Thematic working groups: e.g. extreme events, innovation research, climate scenarios
- Working groups on soft skills: e.g. science to public communication, feedback on research proposals/scientific papers, oral media

All CCCA members:

- Open space
- Rooms for project meetings
- Networking & Ice breaker

<http://www.ccca.ac.at/de/ccca-aktivitaeten/oesterr-klimatag/klimatag-2016/>



CCCA workshop on writing skills

- **May/June 2016 in Vienna**
- One-Day Workshop on writing skills for scientists
- In cooperation with journalists from DOSSIER
- Content:
 - What qualifies a good story / a good story entry?
 - Good story telling: Do's & Dont's
 - Transforming data into a good story





Interdisciplinary conference

,Umweltrechtsforum 2016 in Graz

Klimaschutzrecht zwischen Wunsch und Wirklichkeit‘

June 16th , 2016

10:00 – 17:00

University of Graz

Supported by Wegener Center and CCCA



Ongoing opportunities for CCCA members



Call for networking projects – The decision

- › **UIBK, BOKU, UBA: C4Austria - Connecting Climate Change Communicators in Austria (10.000€)**
- › **KFU, ZAMG, BOKU, AIT: Frontiers in Regional Climate Research (FRECH) (10.000€)**
- › **ZAMG, KFU, UIBK, ÖAW, TUG: Ö-KryoNet - Vernetzung für österreichweite Dokumentation der Klimafolgen für die Kryosphäre anhand Gletscher- und Permafrostmonitoring und deren Integration in Internationale Programme (9.500€)**
- › **Next Call:** Time and modalities under discussion
- › <http://www.ccca.ac.at/de/ccca-aktivitaeten/vernetzungsprojekte/>



National Databases:

Klimaherold:

- › Soon CCCA members can upload their profiles as climate research experts and provider of climate services
- › Klimaherold supports networking and collaboration

Literature Database:

- › 3.500 citations from more than 8.000 authors
- › Includes published journal articles + grey literature



CCCA Literature Database

A collection of climate change literature references.

APCC

- Band 1
 - Kapitel 1 (117)
 - Kapitel 2 (164)
 - Kapitel 3 (327)
 - Kapitel 4 (227)
 - Kapitel 5 (129)
- Band 2
- Band 3

Creators

Reinhard Böhm (76)

Herbert Formayer (72)

Wolfgang Schöner (54)

Ingeborg Asar (49)

Franz Ernst Plettenhauer (49)

Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft (BMLFUW) (46)

Karl W. Steininger (44)

Hans Purbbaum (39)

Josef Eitzinger (37)

Andreas Gobiel (36)

Intergovernmental Panel on Climate Change (IPCC) (35)

Georg Grabherr (32)

Hans-Peter Nachtnebel (30)

Bundesgesetzblatt (BGBI) (29)

Statistik Austria (STAT) (29)

Christoph Malulla (27)

Hanns Moshammer (27)

Publications

Information provided without guarantee of correctness.

filter results.

Results

displaying 100 items out of 3780 matching items. Total items in database: 3780

Impact of climate change on soil erosion and the efficiency of soil conservation practices in Austria

The Journal of Agricultural Science (vol. 148, issue 05, p. 529-541, März 30, 2010)

10.1017/S0021859610000158

Open external link

2013-09-03 01:54

Creators

Josef Eitzinger (37) Andreas Kik (7)

Ein alpin-nivaler Bodentransse am Schrankogel (Tirol) – Gradienten und Muster zwischen 2.700 und 3.300 m ü.d.M.

Mitteilungen der Österreichischen Bodenkundlichen Gesellschaft (vol. 80, p. 51-56, 2013)

Creators

Kurt Thaler (2) Paul Illmer (3) Michael Gottfried (13) Clemens Geitner (8)

Mitteilung der Kommission an der Europäische Parlament, den Rat, den Europäischen Wirtschafts- und Sozialausschuss und den Ausschuss der Regionen. 20 und 20 bis 2020 Chancen Europas Im Klimawandel



Interdisciplinary and transdisciplinary knowledge transfer

Knowledge transfer between science & administration

- › CCCA organizes transdisciplinary discussions and knowledge transfer for Styrian administration and decision makers
- › 4 workshops in 2014 & 2015: Heat, APCC, COIN, Science to public communication with Peter Filzmayer

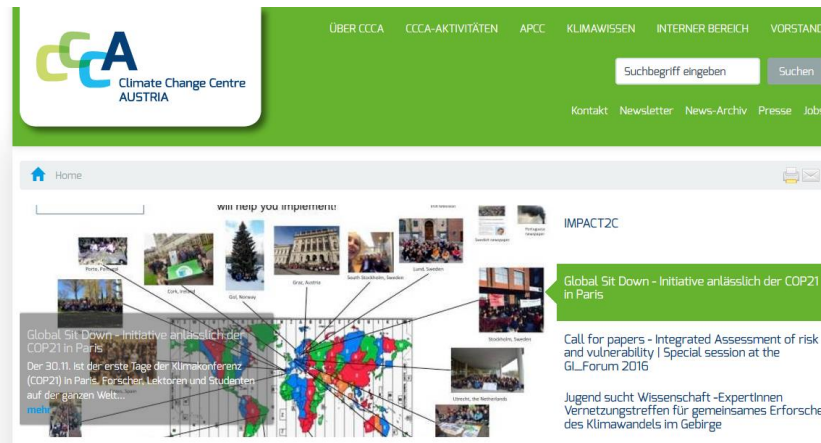
Knowledge transfer between natural sciences, social sciences and law

- › Interdisciplinary discussion on the legal basis for climate protection in Austria (Nov. 2015)





National outreach & networking



- › Please use our Homepage, our Newsletter and the CCCA Mitgliederinfo to promote your events, publications and research to the CCCA community



Wenn dieser Newsletter nicht richtig angezeigt wird, klicken Sie bitte [hier](#).

CCCA-News 1/2016

Liebe CCCA-News-Abonnentin, lieber CCCA-News-Abonnent,

mit diesem Newsletter starten wir in das neue Jahr und informieren Sie wieder über Aktuelles aus der Klimaforschungsgemeinschaft.

In der ersten Ausgabe des CCCA-Newsletter finden Sie Informationen zu:

- CCCA "round table" in Wien
- AUTreach: Klimawandel trifft Jugend
- JPI Climate Projekt TRANS-ADAPT
- K1 Antrag "alps-Climate Change Solutions"
- Aktuelle Calls
- Ausschreibungen und Jobangebote
- Aktuelle Veranstaltungen

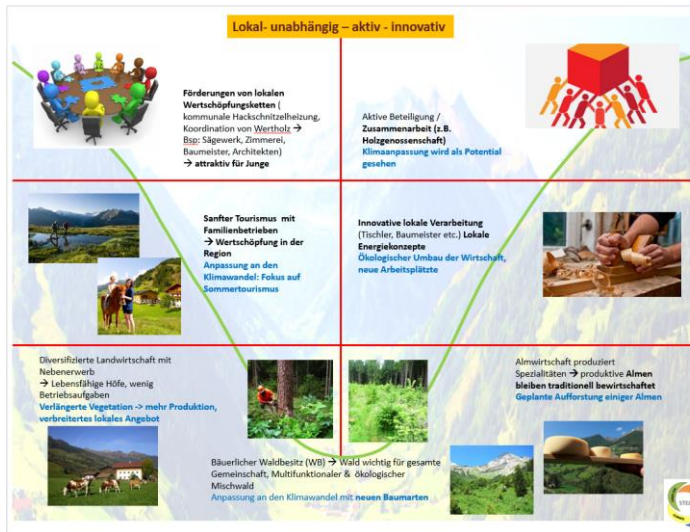
Wir wünschen Ihnen viel Vergnügen beim Lesen!



Products & resources

Examples:

- › Development of project homepages & logos
- › Development of a glossary (together with APCC)
- › Fact Sheets



COIN
Cost of Inaction
Assessing the Costs of Climate Change for Austria

Welcome to COIN!

Foto: Shutterstock

COIN acknowledges the urgent need of policy makers to get informed about the costs of climate change in Austria without planned/anticipated action on adaptation and without any further action on mitigation.

The project COIN (Cost of Inaction: Assessing the costs of climate change for Austria) is funded by the Austrian Climate Research Program (ACRP).

Einem Überblick über das Projekt (dt.) finden Sie in unserem neuen **Folder** (pdf-Format A4, Druck beidseitig, 1000x700px).



Climate Change Centre
AUSTRIA

CCCA Fact Sheet #9e | 2014

Climate Change

Impact on Environment and Society
Disaster Management

The Impact of Climate Change on Riverine Flood Risk in Austria

Franz Prettenhofer^a, Dominik Kortsch^b, Stefan Hochrainer-Niggle^b, Reinhard Mechler^{a,b}, Herwig Urban^c, Karl W. Steininger^d, Matthias Thiem^b, Angelika Wolf^c, Michael Kriechbaum^c, Michael Pech^d

^a Joanneum Research | ^b IASA International Institute for Applied Systems Analysis | ^c University of Economics and Business, Vienna | ^d University of Graz | ^e CCCA Service Center

Applying various economic evaluation approaches, the COIN project evaluates the impact of climate change on fluvial flood risk in Austria.

Taking into account the results of three evaluation approaches (a national approach based on HORA¹ and two approaches based on the European ClimateCost² and ADAM³ projects, respectively), flood damages in Austria in the future.

the underlying evaluation approaches, the scope of damage increase vary slightly; hence the extent of costs arising from the 2016–2045 (2036–2065) period is in annual average of € 288 to € 940 million (to € 1,787 mn).

related flood damages alone are projected to be up to € 613 mn (€ 1 billion) p.a. (2045 (2036–2045) period; all numbers refer to power.

will impact on both the frequency and in disasters (IPCC, 2014). In Austria, flood ready cause considerable economic damage annually significant. The damages resulting from event amounted to more than € 3 billion (2004), and the flood of 2013 also had causing estimated costs of € 0.9 billion (2014).

cover the expenditures for natural disaster established a disaster fund, whose current ver, not based on projections for future

The interdisciplinary COIN (Cost of Inaction – Assessing Costs of Climate Change for Austria) project evaluates economic impacts of climate change in Austria. For this purpose, a scenario-based analysis of and across twelve key sectors is conducted, which assesses the possible impact of climate change in combination with socioeconomic developments. The main scenario assumes a temperature rise within the two degrees Celsius margin for the period up to 2050. This assumption presupposes stronger climate policies than the ones currently in place. The analyses presented here only show that part of all potential impacts which has already been quantified and takes into consideration individual adjustments made.

What has been analysed?

The current study investigates the possible impacts of climate change on future flood damage from fluvial floods. For this purpose, different evaluation approaches were chosen: the nationally-oriented HORA-based approach and the approaches of the large-scale European ClimateCost and ADAM evaluations. The HORA-based findings are currently the most detailed model results for Austria; they were obtained under the assumption of a moderate climate change scenario¹ and moderate socio-economic developments² as defined by COIN. However, the drawback of the HORA-based calculations is that they leave essential factors unconsidered (they, for instance, only reflect damages to residential buildings). Both ClimateCost and ADAM, on the other hand, include a wider range of climate scenarios and damage categories (inter alia, also damages to other infrastructures and to agriculture and forestry). However, compared to the HORA-based method, they demonstrate a lower level of spatial detail and do not use respective empirical data from Austria.

1 The method based on the Austrian flood risk zoning system (HORA) considers the distribution of building stock in Austria according to the different flood risk areas. The results are validated with data of damages occurred over a 50-year period.
2 ClimateCost (The Full Costs of Climate Change): Here the hydrological LUT020 model and a range of climate projections based on the A1B emissions scenario were used (see Rojas et al. 2013).
3 ADAM (Adaptation And Mitigation Strategies supporting European climate policy): Here damage assessment maps were developed, taking into consideration flood levels and future developments (based on variations of a 100-year event) (see Lugini et al. 2010 and Rindowicz et al. 2010).
4 The COIN project assesses social costs of climate change in terms of welfare effects, which represent changes in the amount of goods and services consumed, including the utilization possibilities of stocks and assets. Other welfare-reducing effects, such as changes in environmental quality, have not been quantified.

www.ccca.ac.at



CCCA Datenzentrum

... share your views
... get involved

Chris Schubert

1190 Wien, Hohe Warte 38

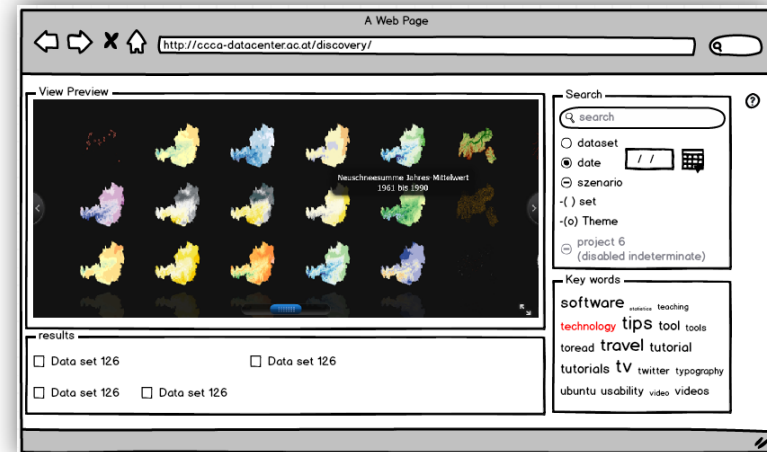
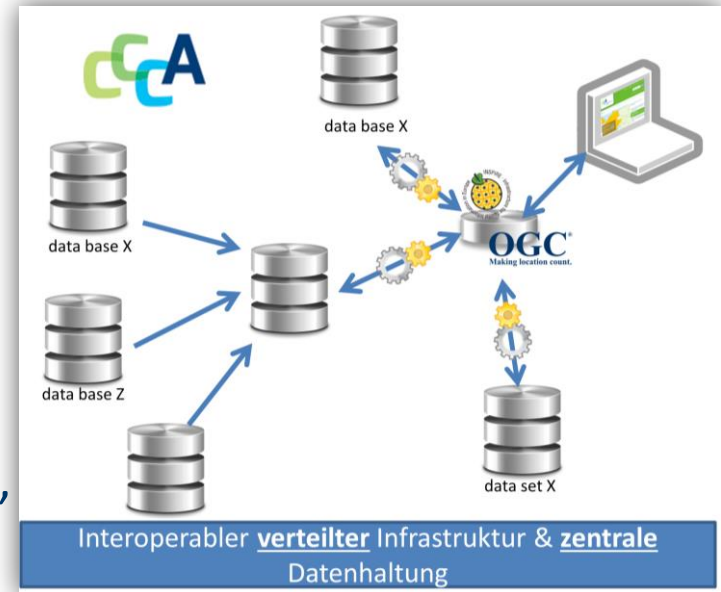
Tel: +43136026 2519

E-Mail: chris.schubert@ccca.ac.at



Datenzentrum _ Was ?

- › **Zugang zu den verteilten Informationen** der CCCA Mitglieder und anderer Institutionen als Daten Provider zur **Klimaforschung** sicher.
- › **Daten**, Primärdaten, Modellergebnisse, Projektberichte etc., **Metadaten**, **Modelle** und **Rechenressourcen**
- › Schnittstelle zu **Standards**, Transformation [WMO, INSPIRE, OGC, ...]





Datenzentrum _ Was ?



AG Datenzentrum

- AG Datenzentrum
 - Protokolle, Präsentationen, Arbeitsdokumente
 - Subgroups
 - Untergruppe – Conceptual work
 - Untergruppe – CCCA Data Citation
 - Untergruppe – CCCA Datensätze
 - Datenmatrix
 - Untergruppe – CCCA Applikationsentwicklung
 - Untergruppe - Technische Realisierung

NUTZERGRUPPE		DATENART			AUFBEREITUNG & BERATUNG					ZUSTÄNDIGKEIT	DATA STREAMS			
N 0	Klimaforschung	✓	✓	-	-	-	0	-	-	DZ	✓	✓	0	-
N 1	Angewandte Forschung	✓	✓	-	0	✓	✓	0	0		-	✓	✓	0
N 2	Forschungsnahe Fachstellen/ Ing.Büros	0	✓	0	✓	✓	✓	✓	0		-	0	✓	✓
N 3	Öffentlicher Bereich, Behörden, Kommunen	-	0	✓	-	-	0	✓	✓	SZ	-	-	0	✓
		Daten IN	Daten OUT	Aufber. Information	Zum Datenfluss	Datenauswahl	Datenaufbereitung	Datenanalyse	Interpretation		Rohdaten - D0	Aufber. Rohdaten - D1	Aggregierte Daten - D2	Aggreg. Informationen - D3

Arbeitsdokumente

otual work

Data Citation



CCCA operative entities

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Chris Schubert
Georg Seyerl

Please visit our website www.ccca.ac.at to get more information about our activities, services and products.