

Launch and Discussion of the UNEP FI / SBI Report

„Advancing Adaptation through Climate Information Services –

Results of a global survey on the information requirements of the financial sector“

AXA Versicherung AG

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Climate Change will increase:

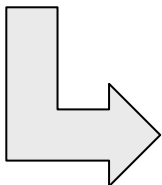
⇒ **temperature**

⇒ **frequency and intensity of extreme weather such as**

- **storm**
- **torrential rain and flash flood**
- **hail**
- **lightning**
- **flood**

⇒ **frequency and intensity of drought such as**

- **drought in agriculture**
- **low water**



**Need for a strategy of adaptation and mitigation of the German Government
(Bundesregierung 2008)**

Important for the development of efficient adaption strategies is

- ⇒ **to define the different roles and the limits of responsibility regarding the results on climate change for the:**
 - **state, general government** (legislative, investors) and **regional administration** (executive authority)
 - **private sector of the economy** (financial sector)
 - **individual citizen** (loss prevention and financing)

- ⇒ **for the daily decision making and defining the strategy, all parties of the 'three pillar model' have to deal with the problem or the criticism of lacking objectiveness and lobbying or being self-interested**

- ⇒ **the individual citizen and the general public need a kind of 'seal of quality' to understand the positions of the decisions-makers respectively the objectivity of the input data**

- ⇒ **the financial sector (insurers and lenders) depends on a wide consumer acceptance**

- ⇒ **the state, general government (legislative, investor) and regional administration (executive authority) need organizations and branches of trade, which have the ability to implement the adaption measures on climate change in all sectors of private, economic and public life**
- ⇒ **the insurance sector is partner of all industries along the whole value added chain**
- ⇒ **the insurance sector attends the industry-partners from developing new technologies to launch new products (from prototype to series), e.g. in the segment for renewable energies:**
 - **Support in risk-evaluation**
 - **Preparation of claims-know-how for producers and users**
 - **Participation in developing and creating of technical rules**
 - **Setting mandatory regulations and standards together with the producer / users**
 - **can act national and global and concerning protection they can bear down federalism**
 - **Insurance-solutions e.g.:**
 - **Wind Energy**
 - **Bio-Gas**
 - **Bio-Energy**
 - **Photovoltaic-Parks On- and Offshore**
 - **Geothermal Energy**
 - **Other environmental technologies**

- ⇒ **To reach a common strategy it is absolutely essential that all parties of the 'three pillar model' are ready to reconsider their role. They have to bear down their isolated thinking and start a common thinking and working at a maximum passable level.**

- ⇒ **The CSC has the opportunity to create a kind of win-win-situation**

The CSC started to work on these fields in January 2010:

“Climate impact research to assess the effects of convective extreme weather events on the loss potential in Germany”

Partner: - Sustainable Business Institute (SBI)

Participants from: - meteorological research institutes,

- insurance companies,

- water management companies,

- Center of Excellence for Flood and Hydrology HKC in Cologne

- ⇒ **The Center of Excellence for Flood HKC connects science and practice in the field of integrated flood management (HochwasserKompetenzCentrum e.V. www.hkc-koeln.de)**
- ⇒ **Experts from all areas of flood protection are involved at a regional, national and international level for the development, provision and transfer of professional competence**
 - **Universities (Climate Research and Flood-Protection)**
 - **Towns, Administrations, Ministries**
 - **Citizens, Citizens-Initiatives**
 - **Research Institutes**
 - **Companies and Manufactures for Components of Flood-Protection**
 - **Service Providers**
 - **Insurers**
 - **Associations, Aid-Organisations**

Areas of Activity

- ⇒ **Correlation between environment, climate and floods**
- ⇒ **Prevention and avoidance of floods, technical and structural flood protection**
- ⇒ **Flooding forecasts, risk detection and assessment**
- ⇒ **Public awareness measures**
- ⇒ **Flood management and aftercare**
- ⇒ **Basic questions to risk-protection**
- ⇒ **Building and behaviour precaution**

AXA Germany is co-founder and member of the board at the Center of Excellence for Flood HKC (Founding September 5th 2007, Cologne).

The results of the Workshop January 2010 are absolutely conform with the results of the global survey on the information requirements of the financial sector “Advancing adaption through climate information services”:

- ⇒ **The workshop and the following activities produced evidence, that it is possible to convince all parties concerned, working together and changing in-house expertise.**

Main argument for all of them:

the opportunity of getting a “seal of quality” in delivering climate information which will be agreed by all parts of the potential users and which will have a maximum acceptance

- ⇒ **There is no need for another new competitor in climate-data-delivering or modeling.**
- ⇒ **Rather there is a real demand for an independent institution with a scientific character and a broad acceptance. In a first step the output could be more abstract and basic.**

Then this institution should focus on the workshops which have started. But it is very important to get useful results for the daily practice of all parties, respectively a broad number of different parties.

The benefits of the expected findings of the investigation:

- ⇒ **the individual citizen knows more or less exactly the exposure of his property**
- ⇒ **he gets the ability for making decisions concerning the level of loss-prevention or the extent of insurance**
- ⇒ **the regular-authority gets the basic data for implementing licensing requirements and orders**
- ⇒ **the engineers (architects, loss-prevention-engineers) get appropriate information for planning**
- ⇒ **the aid-organisations get helpful information in case of a natural event and for aftercare**
- ⇒ **with CSC a service center exists which will deliver helpful materials to raise a broad awareness of the impact of climate change**
- ⇒ **the insurers can evaluate the exposure of every risk**
- ⇒ **the insurers offer a coverage based on the individual exposure and the demand of the extent of insurance in a defined role between the responsibility of the state and also the individual citizen.**
- ⇒ **the insurance sector will get the opportunity for new products in a defined role between the responsibility of the state and also the responsibility of the individual citizen**
- ⇒ **banks and asset managers get exposure-information to evaluate the frame of finance-decisions**
- ⇒ **the CSC also fulfills the role of ensuring a coordinated work and usage of public money**



Die AXA Gruppe in Zahlen 2009

Einnahmen:	90,1 Mrd. Euro
Konzernergebnis (IFRS):	3,6 Mrd. Euro
Operatives Ergebnis (Underlying Earnings):	3,9 Mrd. Euro
Verwaltetes Vermögen:	1.014 Mrd. Euro
Mitarbeiter:	128.000 weltweit
Exklusiv-Vermittler:	88.000 weltweit

Der AXA Konzern in Zahlen 2009

Einnahmen:	10,3 Mrd. Euro
Konzernergebnis (IFRS):	142 Mio. Euro
Operatives Ergebnis (Underlying Earnings):	446 Mio. Euro
Kapitalanlagen:	61 Mrd. Euro
Mitarbeiter:	11.500
Exklusiv-Vermittler:	4.600





National und International Commitments of AXA (1)

"Finanz-Forum: Klimawandel"

Forschungs-Initiative mit dem Bundesministerium für Bildung und Forschung (BMBF)

(AXA Versicherung AG)

<http://www.cfi21.org/cfi-finanz-forum.0.html>

AXA Research Fund

AXA Group mit AXA Versicherung

(Projekt Elbe-Flood-Research)

HochwasserKompetenzCentrum HKC

AXA Versicherung AG

www.hkc-koeln.de

<http://www.hkc-koeln.de/de/ueber-das-hkc/organisation/index.html>

Climate Service Center Hamburg

AXA Versicherung AG

(Forschung 'Konvektive Extremwetterereignisse')

http://www.gkss.de/imperia/md/content/gkss/wissenschaft_und_industrie/csc/cfi-csc-report_deutsch_web.pdf

World Business Council for sustainable development WBCSD

Enterprises pour l'environnement EPE

(AXA Group)

<http://www.wbcd.org/templates/TemplateWBCSD5/layout.asp?type=p&MenuId=NjA>

http://www.epe-asso.org/?part=International_Symposium

http://www.epe-asso.org/index.php?part=Liste_des_membres

Climate Wise - Reducing the risk for tomorrow

Climate Wise Initiative

(AXA UK)

www.climatewise.org.uk

Declaration on Climate Change by the Financial Service Sector

UNEP Finance

(AXA Group)

<http://www.rona.unep.org/documents/partnerships/2007/2007-4.LisaPetrovicPresentation.pdf>

www.unep.org

Kyoto Statement of the Geneva Association

The Geneva Association

(AXA Group)

www.genevaassociation.org

http://www.genevaassociation.org/PDF/General_Information/G20_letter300309.pdf

UN Global Compact

(AXA Financial Services)

http://www.unglobalcompact.org/Issues/financial_markets/index.html

http://www.unglobalcompact.org/Issues/Environment/Climate_Change/list_of_signatories.html

The Carbon Disclosure Project

(AXA Group)

<https://www.cdproject.net/en-US/Pages/HomePage.aspx>

http://www.axa.com/lib/en/uploads/cdp/Rapport_CDP_France_2009.pdf

Enhanced Analytics Initiative (integrated into PRI)

(AXA Investment Managers)

www.enhanced-analytics.com

<http://www.enhanced-analytics.com/portal/ep/home.do?tabId=2>

Eurosif Transparenz-Leitlinien für Publikumsfonds

European Sustainable and Responsible Investment Forum

(AXA Investment Managers)

www.eurosif.org

<http://www.forum-ng.org/de/transparenz/unterzeichner-des-transparenz-kodex.html>

Investor Statement on a Global Agreement on Climate Change

Investor Network on Climate Change (linked to ClimateWise)

(AXA Investment Managers)

www.ceres.org

<http://www.ceres.org/Page.aspx?pid=426#list>

The Principles for Responsible Investment

Kooperation UNEP FI und UN Global Impact

(AXA Investment Managers und AXA Private Equity)

www.unpri.org

<http://www.unpri.org/signatories/>



Das Kommuniqué von Kopenhagen über den Klimawandel

The Prince of Wales Corporate Leaders Group on climate Change

AXA UK

<http://www.cpsl.cam.ac.uk/pdf/Current%20Copenhagen%20Communiqu%C3%A9%20Signatories.pdf>

UNEP-FI

United Nations Environmental Program Financial Initiative

Global insurance industry statement on Adapting to climate change in developing countries

(AXA Group)

http://www.unepfi.org/signatories/index.html?&no_cache=1

<http://www.unepfi.org/statements/fi/german/>

Global insurance industry statement on Adapting to climate change in developing countries

(AXA Group)

http://www.unepfi.org/fileadmin/documents/insurance_climatechange_statement.pdf

United Nations Global Compact

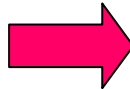
UN

(AXA Group)

www.unglobalcompact.org

http://www.unglobalcompact.org/participants/search?commit=Search&keyword=axa&joined_after=&joined_before=&business_type=all§or_id=all&cop_status=all&organization_type_id=&commit=Search

Engagement
AXA Versicherung AG
Industrial and Commercial
Property



AXA Group

- Working-group Climate Change
- Modelling Elbe / Oder with AXA Research Fund



GDV (German Assurance Association)

- Committee Climate Change
- Committee Property Insurance, Modelling
- Committee ZÜRS-Extension „Intense Rain“

HKC HochwasserKompetenzCentrum e.V.

(www.hkc-koeln.de) Flood Competence Center

CSC (www.climate-service-center.de)

„Finanz-Forum: Klimawandel“
(www.cfi21.org)