

CURRICULUM AND BIBLIOGRAPHY

Klaus Ammann Guest Prof. TU Delft, Netherlands last update: June 18, 2007

Oct. 2006 - Dec. 2007

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When we both are online: skype **klausboga** for free,

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Portrait

<http://www.botanischergarten.ch/Curriculum/Klausportr-600.jpg>

Studies

Born December 6, 1940

Studies at University of Berne: Thesis on Vegetation History 1972, summa cum laude Prof. Dr. Max Welten

Studies at Bergen Norway, Prof. Dr. Knut Faegri, 1966,

Duke University NC USA, Drs. Bill and Chichita Culberson 1975

and Kingston, Jamaica W.I. 1992,

Lecturer University of Bern Dept. of Cryptogamic Botany since 1976

Director Botanic Garden, University of Berne since 1996

Prof. hon. University of Berne 2000

Sabbatical Missouri Botanical Garden, Prof. Dr. Peter Raven 2003

Retirement from University and Botanic Garden: February 28, 2006

Teaching

- Lecturing Biosafety and Corporate Ethics at Delft University of Technology
- Lecturing in Plant Systematics and Evolution, Biogeography University of Bern
a summary link to many of the biodiversity lecture:
<http://www.botanischergarten.ch/Curriculum/Lectures-Klaus-Ammann-Univ-Bern-2005-6.pdf>
- Lectures on Air Pollution Biomonitoring at the Federal Institute of Technology in Zurich
<http://www.botanischergarten.ch/Flechten/Flechten2.htm> soon to be established
- Numerous lectures in national and international conferences on biodiversity and biotechnology
<http://www.google.ch/search?hl=en&q=Klaus+Ammann+conference&meta=>
- UNIDO (United Nations Industrial Development Organization): Member of Teaching faculty Global Initiative on Education in Biotechnology <http://binas.unido.org/binas/>
- Science and the Courts: Occasional participation in teaching <http://www.sehn.org/index.html>

Committees, among others

- Biosafety Committee of the Government of Switzerland
http://www.umwelt-schweiz.ch/buwal/de/fachgebiete/fg_efbs/index.html
- Chairman of Section Biodiversity of European Federation of Biotechnology
http://www.efb-central.org/index.php/Main/section_on_biodiversity
- Editorial Board (Ecology) of Environmental Biosafety Research
<http://www.edpsciences.org/ebr/>
- Board of Directors Gensuisse <http://www.gensuisse.ch/>
- Advisory Board Internutrition <http://www.internutrition.ch/internutrition/who/advisory.html>
- Member Board of Directors Africa Harvest www.ahbfi.org 2004-2006
- Member Advisory Board African Technology Development Forum ATDF, <http://www.atdforum.org/>
- Member of Steering committee PRRI www.pubresreg.org

Research Projects

Closed: Collaboration Atlas of the Swiss Flora, Chemotaxonomy of Macro-Lichens, Calibrated biomonitoring of Air Pollution with Lichens, Ecological Monitoring SANW, Ethnobotany in Jamaica, Ecological Monitoring in Bulgaria.

Ecological Risk Assessment of Vertical Gene Flow in Switzerland, <http://www.bats.ch/>

4 EU-Projects on Gene Flow and Plant Conservation of Europe

1. Safety Assessment of the Release of Transgenic Crops: Spread of Herbicide-resistance Genes from Wheat and Foxtail Millet to Weedy Species. In collaboration with INRA Dijon, France, closed 2002.
http://europa.eu.int/comm/research/infocentre/export/01-09-agr03d_35.html
2. Euro+Med, coordinator work packages Atlas Florae Europaeae Helsinki, Finland, Caryological Data Base Patras, Greece, European Red List and Website on Popularized Flora Europaea Contents, Botanical Garden, University of Berne, a joint venture with IUCN SSC Group European Plants, Planta Europa and the Council of Europe.
<http://www.s2you.com/euomed/> closed 2003
3. SIGMEA, Gene Flow of Maize in Europe, in collaboration with the Federal School of Technology, Zurich Switzerland, <http://sigmea.dyndns.org/> started 2004, closed by April of 2007
4. Science 4 BioReg, TU Delft contract code Contract number TNW 06.158, Contract number EC 43012, FOOD-CT-2006-43012 Project "Science 4 BioReg", www.pubresreg.org
5. MYTH BUSTER moderation <http://pubresreg.org/Members/Kim/mythbusters>
ASK-FORCE moderation, Overview public research activities world wide
<http://pubresreg.org/Members/Kim/working%20groups/Aarhus/>

Project in collaboration with UNIDO (United Nations Industrial Development Organisation)

<http://binas.unido.org/binas/home.php>

Compendium on Risk Assessment Research, support system for the decision making tree on biosafety.

2006-2007: Projects in development on Micro-Bionics and Biofuels in collaboration with Drs. Bob Ursem, Director Botanic Garden in Delft, see his recent article: <http://www.bgci.org/cultivate/article/0399/>

Website Activities

- Website of the Botanical Garden in Bern: First edition 2005-2006 in collaboration with partners:
<http://boga.unibe.ch/boga/>
- Berne Debates: Closed mid 2005, selected links will be shown on <http://www.efb-central.org/index.php/forums/>
- Report on the Impact of Biotechnology on Biodiversity, occasionally updated, (see publication in Trends of Biotechnology, cited in Bibliography below)
<http://www.botanischergarten.ch/Biotech-Biodiv/Report-Biodiv-Biotech12.pdf>
- Podcast on Monsanto website:
Press release: <http://prweb.com/releases/2006/3/prweb364229.htm>
and Podcast: <http://www.monsanto.com/biotech-gmo/index.htm>
- Podcast Bibliotheca Alexandrina, Biovision 2004: Poverty Alleviation and Biotechnology:
<http://www.botanischergarten.ch/Alexandria/Biovision-Alexandria-2006-Panel-B-2.wmv>
- Contributing member of the Faculty of 1000:
<http://www.facultyof1000.com/>
and <http://www.botanischergarten.ch/Facultyof1000/Evaluations-F1000-20070214.pdf>
- Website of EFB, European Federation of Biotechnology, Section Biodiversity
<http://www.efb-central.org/Biodiversity/homepage.htm>
- Moderator ASK-FORCE <http://www.efb-central.org/index.php/forums/>,
- Moderator MYTH BUSTER http://pubresreg.org/index.php?option=com_smf&Itemid=27&board=4.0#top
- Website PRRI: www.pubresreg.org see pages on public research

Publications, reports, newspaper articles, interviews and audiovisual contributions

<http://www.botanischergarten.ch/Bibliography/Bibliography-K-Ammann-20070618.doc>

My Scientific Credo

It is my intention to encourage the learning process leading to solutions of today's crucial problems such as protection of biodiversity, risk-benefit assessment of genetically engineered crops and the public debate about biotechnology. All this should serve to enhance the dialogue between the rich and the poor, hunger being the foremost problem on this planet. Ultimately, risk is the balance between hazard and opportunity. If scientists want to be heard with factual arguments, they must admit that the world cannot be explained exclusively by facts, since the questions about problems and opportunities connected to scientific progress have social and cultural components and are thus extremely complex. Debates on such complex issues need to have a discursive structure taking into account the *symmetry of ignorance* or the *asymmetry of knowledge*.

<http://www.botanischergarten.ch/Wiley/Factors-Discourse-Wiley.pdf>

Please sign up the European Manifesto:

<http://www.abic2004.org/manifesto/index.php>

and please join the new initiative to enforce active participation of public science in the Cartagena negotiations, a new initiative under the name Public Research and Regulation Initiative, PRRI: <http://pubresreg.org/>

Interviews in German after the retirement: in Bern Feb. 2006

<http://www.botanischergarten.ch/BOGA-Presse/Bund-Samst-Interv-Ruecktritt-2006.pdf>

<http://www.botanischergarten.ch/BOGA-Presse/BZ-Interv-Ruecktritt-2006.pdf>