



3rd Workshop
23-26 April 2014
Schloss Ringberg, Bavaria



Wednesday, 23 April

1230-1330: Lunch

1330-1500: **Welcome and Introductions**

Chair Keywood, Rapporteur Sedlacek

- Keywood "Welcome & Logistics"
- Kaiser "From ESF 2009 to IBBI 2014"
- Goldammer "The BIBEX heritage"
- all (1 minute each) name, background, research interest, tell us one thing about yourselves that we wouldn't know.

1530-1730: **Climate and global vegetation modelling**

Chair Sofiev, Rapporteur Keywood

- Kloster "Challenges of fire modelling for climate studies"
- van der Werf "Challenges in fire emission estimation"
- Spessa "LPG-GUESS-SPITFIRE evaluation"
- Granier "Creation of new emission inventories for CMIP/IPCC"

1730-1830: Guided Tour of the Castle

1830-1930: Dinner

1930-2100: **Global & regional atmospheric chemistry modelling**

Chair Gutry-Korycka, Rapporteur Filipi

- Sofiev "IS4FIRES & SILAM"
- Kaiser "GFAS in the Copernicus Atmosphere Service"

Thursday, 24 April

0800-0900: Breakfast

0900-1030: **Global & regional atmospheric chemistry modelling cont**

- Zhang "NOAA fire emissions and atmospheric forecasts"
- Field "Studying the origin, fate and effects of high altitude smoke with the NASA GISS composition-climate model"
- Ito "Biomass burning as a source of nutrients to the oceans"
- Archibald "When do fires go out? getting the dynamics of fire spread modeling right at global scales" (remotely)

1050-1150 **Fire & plume process modelling**

Chair Granier, Rapporteur Huneus

- Stohl "The influence of biomass burning on the Arctic aerosol burden"
- Filippi "Fire spread and plume modelling"
- Baldassarre "Plume modelling from satellite-based fire observations"

1150-1230 **Emission inversion**

Chair Goldammer, Rapporteur HSu

- Huneus "Biomass burning emissions from an atmospheric inversion"
- Konovalov "CO2 inversions"

1230-1350: Lunch

1350-1530 **Satellite observations of fires and plumes**

Chair Stohl, Rapporteur Field

- Hsu "Fire Radiative Power and Temperature Retrieval for Gas Flares"

- Hantson “Bunt Area Observation in the ESA Fire-CCI and fire-model intercomparison (Fire-MIP)”
- Rucker “FireBIRD: High resolution observations”
- Bartalev “Burnt area mapping and long-term environmental impact assessment”
- Kahn et al. “Constraints on smoke injection height, source strength, and transports from MISR and MODIS”

1600-1700: “Suborbital” observations of fires and plumes, cont.

Chair Kaiser, Rapporteur Kehrwald

- Yokelson “Biomass burning issues”
- Hoscilo “Long term consequences of burning on peatland vegetation and carbon dynamics”

1700-1820: Anthropogenic interaction

Chair Kloster, Rapporteur Bartalev

- Goldammer “Fire Management”
- Gutry-Korycka “Current Polish research capabilities in biomass burning topics in relation to global warming caused by anthropogenic and climate factors ”
- San Miguel “Emergency response”
- Tarasova “Anthropogenic interactions from WMO perspective”

1830-2000: Dinner

Friday, 25 April

0800-0900: Breakfast

0900 -1030 “Suborbital” observations of fires and plumes

Chair Tarasova, Rapporteur Hanston

- Kehrwald “Fire proxies over the centuries”
- Sedlacek “Near-Field Evolution of Biomass Burning Aerosols”
- Keywood “An Australian smoke forecasting system- models and observations”
- Zheng “Biomass burning research and haze in China”
- Vikkari “Observations on aging of biomass burning aerosols in southern Africa”

1050-1100: Review of Remaining Agenda

1100-1230: Discussion of IBBI goals, strategies and collaborations

- emissions for operational air quality forecasts
- emissions for climate simulations
- long-term environmental impact assessment
- other

1230-1330: Lunch

1330-1430: Planning of special issue of Atmospheric Environment

1500-1700: Planning of IBBI funding

- COST action
- other

1830-????: Dinner – Bavarian evening

Saturday, 26 April

0800-0900: Breakfast

0900-1030: Wrap-up and afterthoughts

- Kaiser & Keywood
- all

1030: End

1030-????: Private hiking in the surrounding mountains