

Monday, 18 March 2013

9:30–10:00 am **Welcome address**

*Professor Dr. Dr. Andreas Hensel, BfR
Min.Dir. Clemens Neumann, BMELV
Minister Till Backhaus, MV
N.N., NI
N.N., ST*

10:00–10:15 am

Alle(s) Wild? – An overview of the current situation

Prof. Dr. Dr. Andreas Hensel, BfR

Project food safety of game meat

Moderation: PD Dr. Helmut Schafft, Dr. Niels Bandick, Dr. Monika Lahrssen-Wiederholt, BfR

10:15–10:30 am

Alle(s) Wild? Which questions have been asked? Which answers can be given?

Dr. Monika Lahrssen-Wiederholt, BfR

10:30–11:00 am

Status: lead, copper and zinc in game meat

Dr. Christine Müller-Graf, Christine Sommerfeld, both BfR

Risk assessment of lead, copper and zinc in game meat

11:00–11:15 am

Toxicology of lead, copper and zinc

Dr. Heike Itter, Dr. Ulrike Pabel, both BfR

11:15–11:45 am

Bioavailability of lead, copper and zinc

*Dr. Ellen Ulbig, BfR
Prof. Dr. Hermann Fromme, LGL Bavaria*

11:45–12:00 am

How much game meat is consumed in hunter families?

Dr. Daniel Hoffmann, VJS

12:30–1:30 pm *Lunch break/press conference*

1:30–1:45 pm

Which new insights can be gained for heavy metal exposure from hunting ammunition?

Dr. Gerhard Heinemeyer, BfR

1:45–2:00 pm

Risk assessment of lead, copper and zinc in game meat

Dr. Helmut Schafft, Dr. Antje Gerofke, both BfR

2:00–2:15 pm

Copper in game meat – what factors must be taken into account?

Mag. Iris Irschik, Doz. Dr. Manfred Sager**, Ass. Prof. Dr. Peter Paulsen*, Univ. Prof. Dr. Friedrich Bauer*, *Vet. med. Vienna Uni, **AGES*

2:15–2:45 pm

Risk assessment and risk management of Swedish game shot with lead ammunition

Dr. Rickard Bjerselius, Emma Halldin Ankarberg, National Food Agency, Sweden

2:45–3:15 pm **Discussion**

3:15–3:45 pm *Coffee break*

Project: Terminal effect of lead free bullets

Moderation: Dr. Niels Bandick, Dr. Monika Lahrssen-Wiederholt

3:45–4:15 pm

“Hit and killed” – Hunting bullets and animal welfare

Carl Gremse, Prof. Dr. Siegfried Rieger, HNE Eberswalde

4:15–4:30 pm

Field studies of professional hunters

Bernd Bahr, BDB

4:30–4:45 pm

“Material alternatives?”

– Questionnaire survey DJV

Dr. Daniel Hoffmann, VJS

4:45–5:00 pm

Results and appraisal of the final report “Terminal effect of lead free bullets”

*presented on behalf of
Dr. Dr. Kneubuehl (IRM of Berne University)
by Ingo Rottenberger, DEVA*

5:00–6:00 pm **Discussion**

from 6:00 pm **“Letztes Treiben” (Traditional meal after the hunt)**

by invitation of the BMELV, in the foyer

Tuesday, 19 March 2013

9:00–9:15 am **Summary of Day 1**

Dr. Niels Bandick, BfR

Project: Ricochet behaviour

Moderation: Dr. Monika Lahrssen-Wiederholt, Dr. Niels Bandick

9:15–10:00 am **Conclusions/consequences: ricochet behaviour of hunting ammunition**

Ingo Rottenberger, DEVA

10:00–10:15 am **Discussion**

10:15–10:45 am Coffee break

Environmental aspects of lead, copper and zinc

Moderation: Dr. Niels Bandick, PD Dr. Helmut Schafft

10:45–11:00 am **Material cycles in our “nature/culture” landscape**

Prof. Dr. Hans Schenkel, Univ. Hohenheim

11:00–11:15 am **Lead, copper and zinc in forest soils**

Dr. Nicole Wellbrock, Thünen-Institute

11:15–11:30 am **Risk assessment of heavy metals in the system soil-plant**

Dr. Thomas Strumpf, Julius Kühn-Institut

11:30–11:45 am **Ecotoxicity of unleaded hunting ammunition**

Prof. Dr. Dr. Axel Göttlein, TU Munich

11:45 am –12:00 pm **Ecotoxicological effects of lead, copper and zinc**

Ass. Prof. Dr. Peter Paulsen, Mag. Iris Irschik*, Dr. Manfred Sager**, *Vet. Med. Vienna Uni, **AGES*

12:00–12:15 pm **Effects of the biosphere on the diet selection of cloven-hoofed game**

Matthias Neumann, Dr. Frank Tottewitz, Thünen-Institute

12:15–12:45 pm **Discussion**

12:45–1:45 pm **Panel discussion**

Moderation: Jürgen Thier-Kundke, BfR

1:45–2:00 pm **Conclusions and closing words**

*Prof. Dr. Dr. Andreas Hensel, BfR
Parl. State Secretary Peter Bleser, BMELV*

BfR symposium "Alles Wild?"

At the joint symposium of the BMELV and BfR, scientific insights from the research projects "Ricochet behaviour of hunting ammunition", "Investigations into the terminal effectivity of unleaded bullets" and the first results of the current project "Food safety of game meat obtained through hunting" are presented.

The presentations of the research projects are supplemented by lectures about the influence of alternative bullet materials on the environment and about the specific grazing behaviour of game in different regions and their influence on heavy metal intake.

The aim of the event is to show the consequences regarding the properties to be demanded of hunting ammunition and its influence on both the ballistic and physiological hazard potential of bullets made of alternative materials compared to lead. Aspects of animal welfare will be discussed in terms of the terminal effectivity of different types of hunting ammunition. The event will also cast light on the influence of background contamination from heavy metals ingested by wild game when grazing as well as the distribution of these substances in the body as a result of the animal being shot.

Venue:

Federal Institute for Risk Assessment
Marienfelde Location, Lecture Theatre
Diedersdorfer Weg 1, 12277 Berlin, Germany
Location map: www.bfr.bund.de/de/standort

**Registration:**

Please register for the event using the online form under the menu item "Events" which can be found at: www.bfr.bund.de or write to us providing your name and address and making the subject header "Alles Wild"

Fax 030-18412 2984

E-mail: veranstaltungen@bfr.bund.de

Organiser:

Federal Ministry of Food, Agriculture and
Consumer Protection

Federal Institute for Risk Assessment

Alle(s) Wild?

Symposium on research
projects about game meat

18 and 19 March 2013, Berlin

BUNDESINSTITUT FÜR RISIKOBEWERTUNG



Federal Ministry
of Food, Agriculture and
Consumer Protection



Bundesinstitut für Risikobewertung