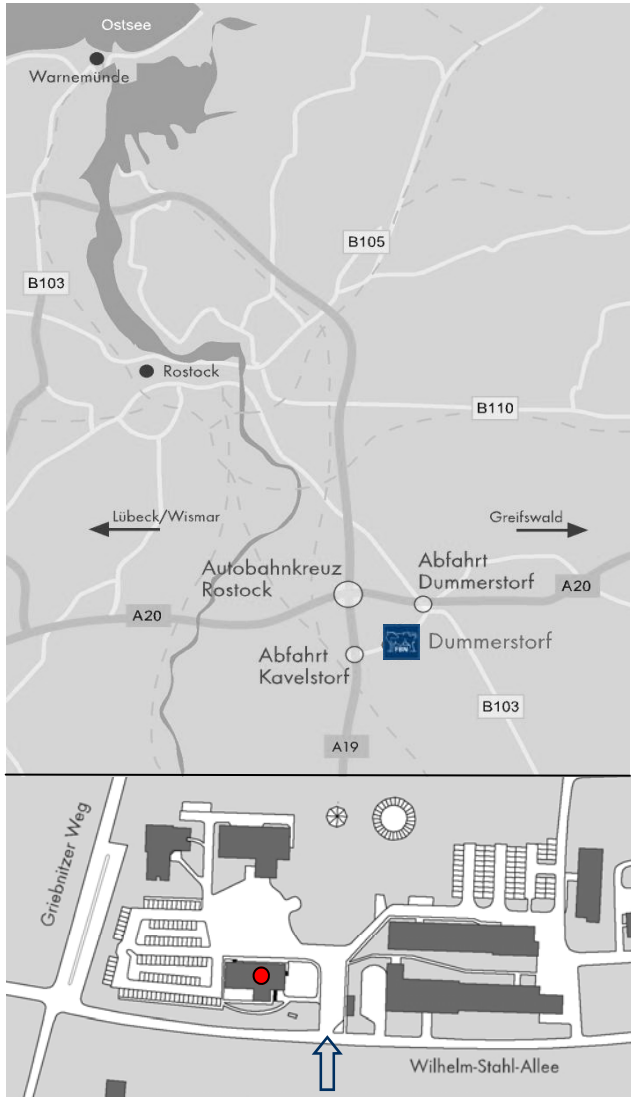
The food and feed production in times of climate change will be one of the biggest challenges of the coming decades. At the same time, proteins are raising conflicting paradoxes. Although farm animals have huge impact on CO2 emission, only cattle are able to convert grass, useless for human nutrition, into rich protein.

The project **"Protein paradoxes: Protein supply under the conditions of climate change - production, consumption and human health"** of Leibniz Research Alliance: Food and Nutrition (LRA-FN) provides Post Docs and young scientists the skills to face the social challenges of sustainable protein production, protein consumption and health in transdisciplinary networks.

The upcoming workshop will focus on protein production - criteria for optimization. In 3 working groups with 1 senior scientist/keynote speaker and 6-8 Post Docs, what-if-scenarios will be explored, limits and possibilities discussed in interdisciplinary dialogue and former research strategies evaluated under the conditions of climate change.

The invitation is directed to Post Docs and young scientists of all LRA FN-Institutes and partners. Costs for travel and accommodation will be covered by the project.

Leibniz Association



Leibniz Institute for Farm Animal Biology (FBN)

Wilhelm-Stahl-Allee 2
D - 18196 Dummerstorf

www.fbn-dummerstorf.de

Leibniz Protein Paradoxes
Food and Nutrition

Workshop

Protein Production - Criteria for optimization

Leibniz Institute for Farm Animal Biology (FBN)
May 2018, 28th to 30th

FBN

What if scenarios (working groups)

No irrigation is allowed/possible in agricultural production
(ecological fundamentals)

Self-supply is required in a micro-cosmos (medium-sized city) with aging citizens
(spatial-demographic fundamentals)

Only organic farming is used for agricultural production within the EU
(modular fundamentals)

Pre-workshop preparation:

Key papers for each working group will be send to participants

Workshop:

- Keynote lecture: Top Senior Scientists introduce into main topics
- Discussion in 3 parallel working groups: Extract relevant criteria for optimization
- Wrap up and work in remixed groups
- Panel discussion and final list of criteria for optimization on protein production
- Draft manuscript

Program

Monday, 28.5.2018

morning: Arrival and Welcome
Keynote lectures
Nanna Roos
Göksel Demirer
Pietro Iannetta

afternoon: 3 Parallel Working Groups
Wrap-up in whole panel
Barbecue at FBN

Tuesday, 29.5.2018

morning: 3 Parallel Working Groups-group specific criteria

afternoon: 3 Parallel Working Groups-group specific criteria
Wrap-up in whole panel- new working group set-up
Dinner in Rostock

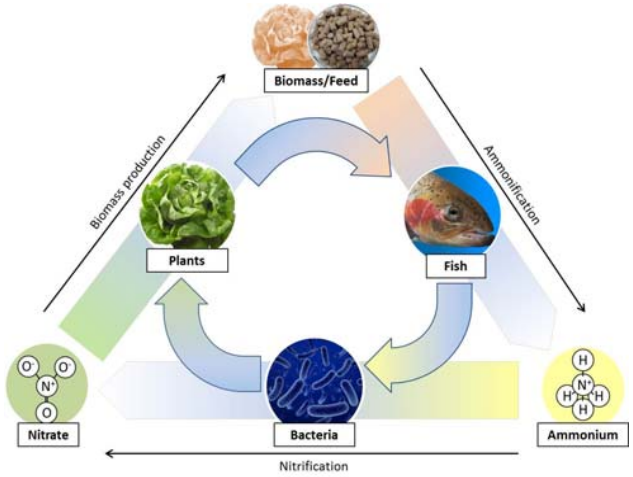
Wednesday, 30.5.2018

morning: Work in operating groups mixed from working groups

afternoon: whole panel discussion-draft manuscript

Post-workshop wrap-up:

Finalize draft paper



Application:

Leibniz-Institute for Farm Animal Biology (FBN)
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Accomodation:

All expenses for travel and accommodation will be fully covered by the project. Rooms for attendees are maintained in Rostock. Transport to Dummerstorf will be provided.

Looking forward to welcome you at FBN Dummerstorf to an inspiring workshop about the future of protein production.