CURRENT PROJECTS/PROPOSALS

•Interactive simulation of grasshopper populations.

•Urban Biodiversity and Urban Development
Green in the City – Maximizing inner-city biodiversity through strategic planning of the in-between spaces A joint project between partners from Australia, Singapore and Germany.
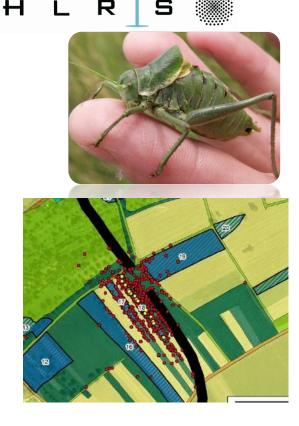
•FuturICT
A Proposal for a European Flagship Project in the area of policy modeling, simulation and management of complex, global, socially interactive systems. See http://www.futurict.eu/

•EnBW
Planning of a pumped-storage hydropower plant in the Black Forest includes preserving adequate habitats for capercaillies and combining it with sustainable tourism and forestry.

•Planning of the green space next to our new HLRS building.

CHALLENGES AND OPPORTUNITIES

· **What are the greatest challenges to furthering your research?**
Accessibility of data sources, IP, Security, Privacy
Interoperability not only data exchange but also between applications → meta applications
Heterogeneous hardware and software

· **What are challenges to working internationally?**
Local funding only

· **What are opportunities to working internationally?**
Very good experience with european exchange programs
HPC-Europa
VISIONAIR

· **What are the opportunities for students in this area of research?**
Challenges: streamlined studies→little time for extra activities
Getting a broader view on global challenges