	Wednesday 27.7.	**Thursday 28.7.**	**Friday 29.7.**	**Sat 30.7.**
8:00-9:00		*Breakfast*		
9:00-10:00		**MPI für Informatik, Saarbrücken** *Discovery of interpretable patterns, correlation and causality in scientific data* - Mario Boley & Jilles Vreeken	**HU Berlin** *Pattern recognition, structural similarity, and materials maps* - Claudia Draxl and others	*Departure*
10:00-11:00		**MPI für Dynamik komplexer technischer Systeme, Magdeburg** *Statistical inversion based on computational data* - Peter Benner; *Data-driven model reduction* - Sara Grundel	**MPI für Struktur und Dynamik der Materie, Hamburg** *Shortcuts in the road towards new superconductors* - Henning Glawe	
11:00-11:30		*Coffee break*		
11:30-12:30		**MPI für Physik komplexer Systeme, Dresden** *Laser pulse optimization with Gaussian processes* - Mehrdad Baghery; *Orientation recovery of scattering images with diffusion map* - Ulf Saalmann	**MPI für Polymerforschung, Mainz** *Data-driven methods in computer simulations of biomolecules* - Tristan Bereau; *Hierarchical modeling of high molecular-weight polymer melts. Equilibration and rheological studies* - Kostas Daoulas	
12:30-14:30		*Lunch*		
14:30-15:30		**MPI für Eisenforschung, Düsseldorf** *Atom probe microscopy: a new playground for big data analysis?* - Baptiste Gault & Shyam Katnagallu	**MPI für Biogeochemie, Jena** *Applied machine learning in Biogeochemistry* - Martin Jung & Fabian Gans	
15:30-16:00		*Coffee break*		
16:00-17:00		**Fritz-Haber-Institut der MPG, Berlin** *Finding descriptors for predicting the plasticity of real materials* **-** Luca Ghiringhelli	**MPI für Intelligente Systeme, Tübingen** *Algorithmic independence of cause and mechanism as a common footing of thermodynamics and causal inference* - Dominik Janzing; *TerseSVM - A scalable approach for learning compact models in large-scale classification* - Rohit Babbar	
17:00-18:00	*Arrival*	**MPI für Eisenforschung, Düsseldorf** *Big data in computational materials design* - Jörg Neugebauer & Jan Janssen	**MPI für Kolloid- und Grenzflächenforschung, Potsdam** *Data driven materials science: data diagnostics in SAXS tomography* - Andreas Roschger & Chenghao Li	
18:30	*Dinner*	*Dinner*	*Dinner*	
20:00	*20:00-20:05* – Welcome	*20:00-20:30* **MPCDF, Garching** *MPCDF Support for Data Projects* - Raphael Ritz & Markus Rampp		
	20:05-20:35 – The initiative for a MaxNet "Big-Data-Driven Materials Science (BDDMS)" - Peter Benner			
	20:35 – Plenary Discussion			

Talks should be 40 minutes long followed by 20 minutes of discussion. Talks should explain what knowledge the group brings to the BDDMS initiative and the planned project(s).