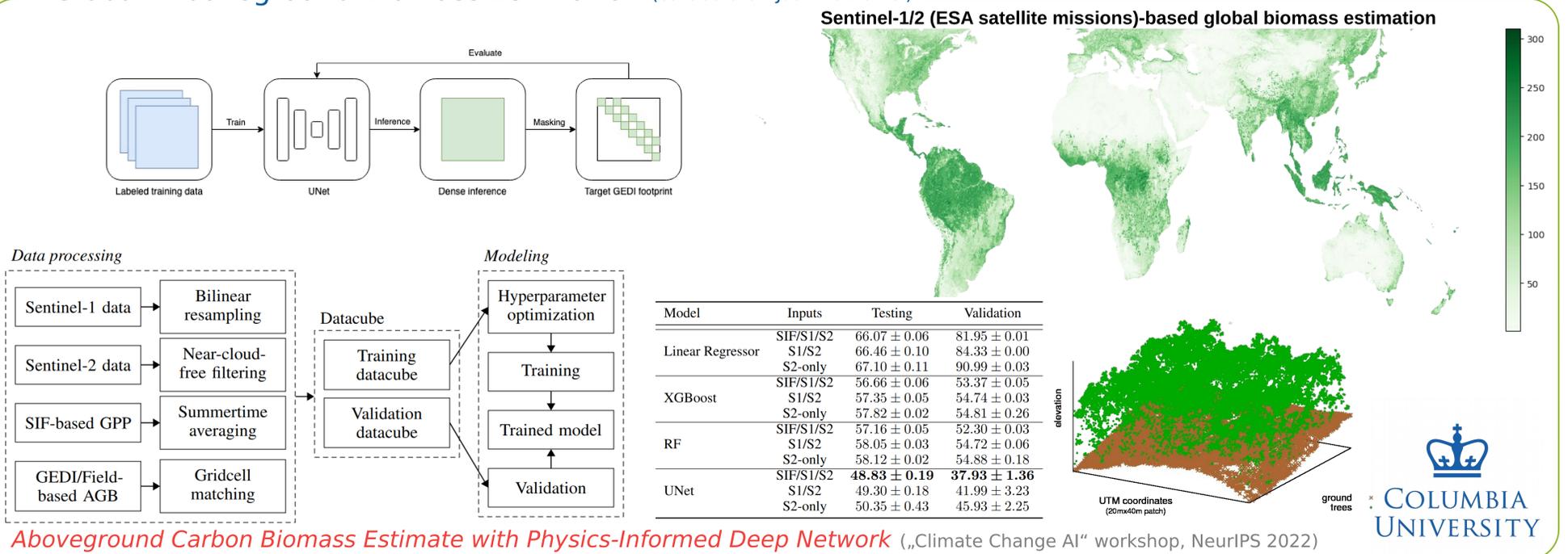


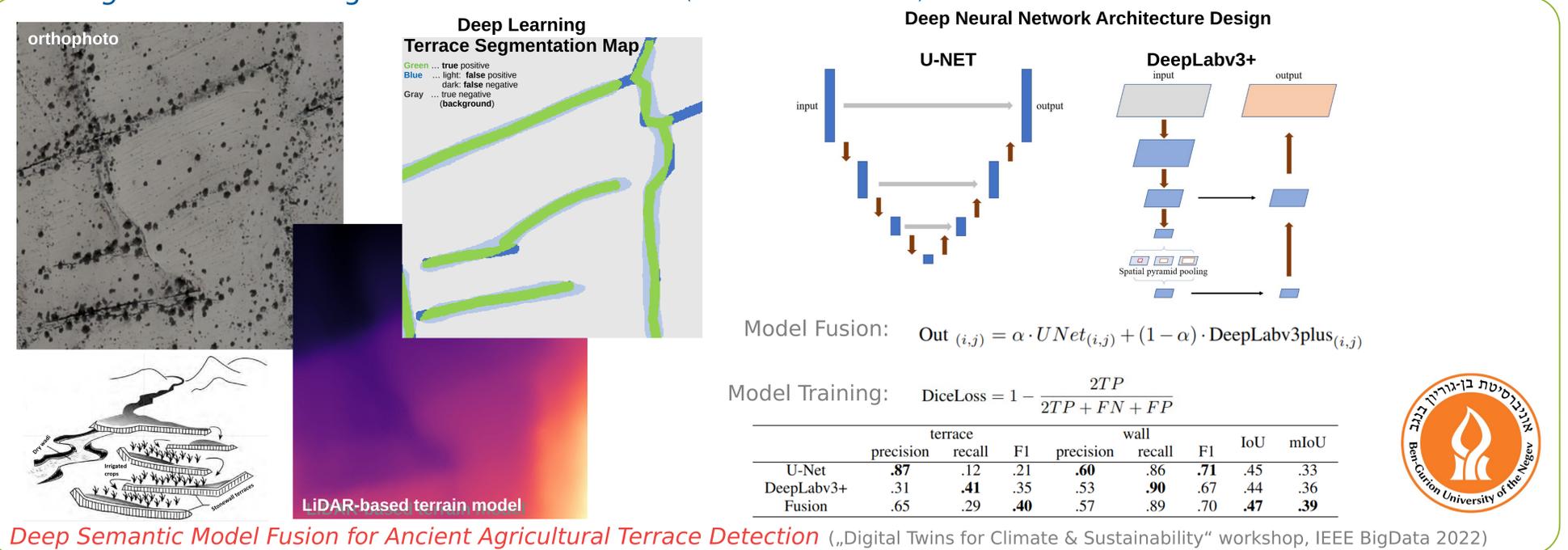
All-scale Vegetation Monitoring with Remote Sensing

Conrad M Albrecht & YIG team DM4EO@DLR/TU Munich (Germany) in collaboration with Columbia University (USA), Ben Gurion University (Israel), IBM Research (USA)

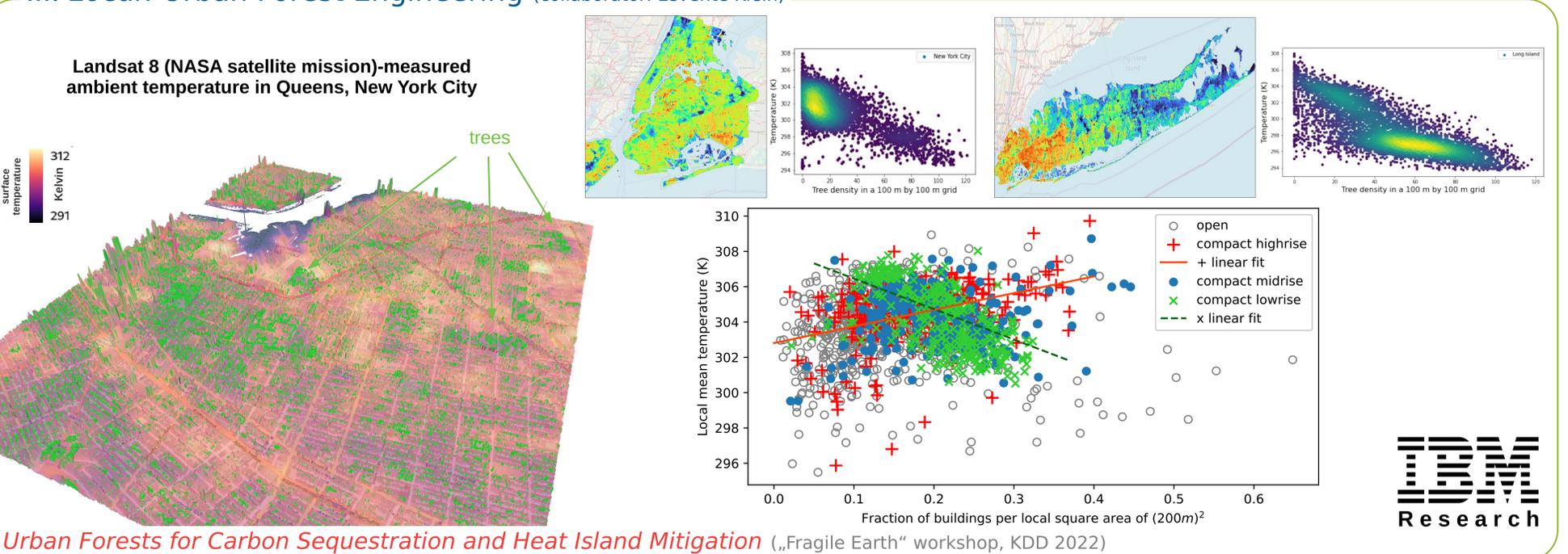
I. Global: Aboveground Biomass Estimation (collaborator: Juan Nathaniel)



II. Regional: Ancient Agriculture Identification (collaborator: Micha Silver)



III. Local: Urban Forest Engineering (collaborator: Levente Klein)



Perspectives: LiDAR Cartography of the Amazon

- utilize **Bavarian American Academy** network & funding for **Nasca culture analytics** with the aid of AI
- utilize **Alexander von Humboldt Foundation** BRAGFOST22 and GAFOE23 CONNECT follow-up funding for German-Brazil-USA collaboration on **LiDAR scanning the Amazon** for new **ancient discoveries, biodiversity mapping, and development of sustainable agroforestry**

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