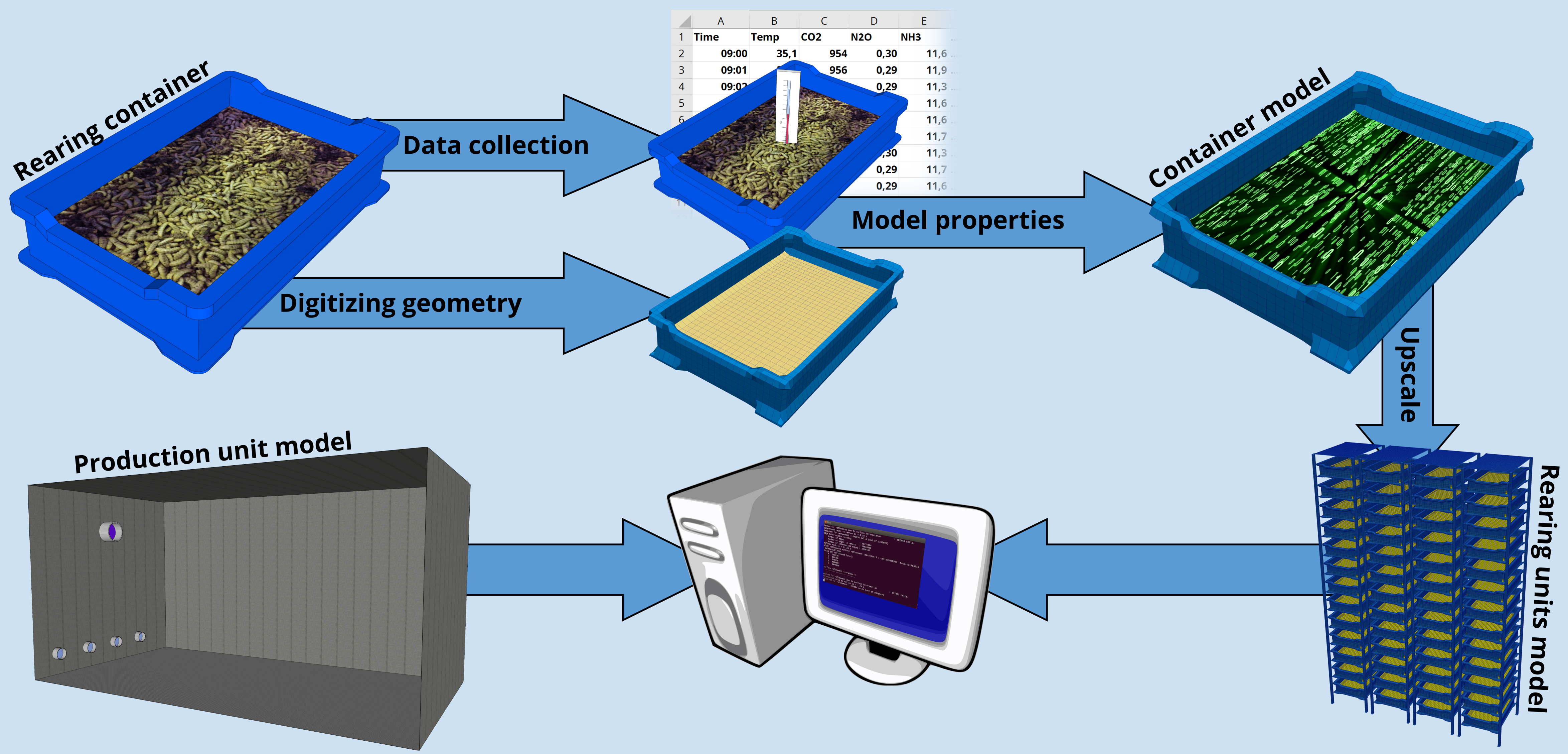


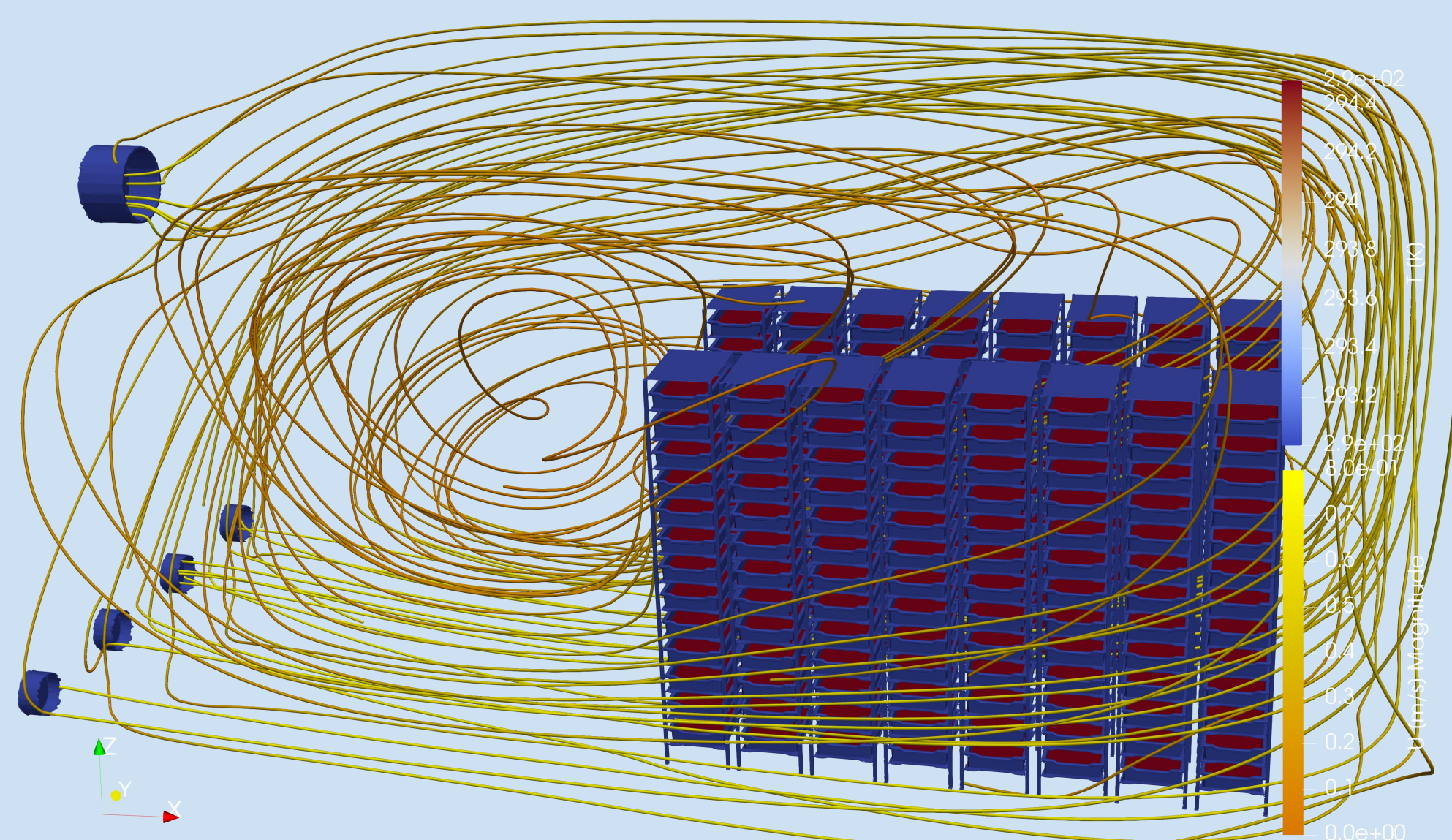


Modeling temperature, airflow and GHG distribution in insect production setups using Computational Fluid Dynamics (CFD)

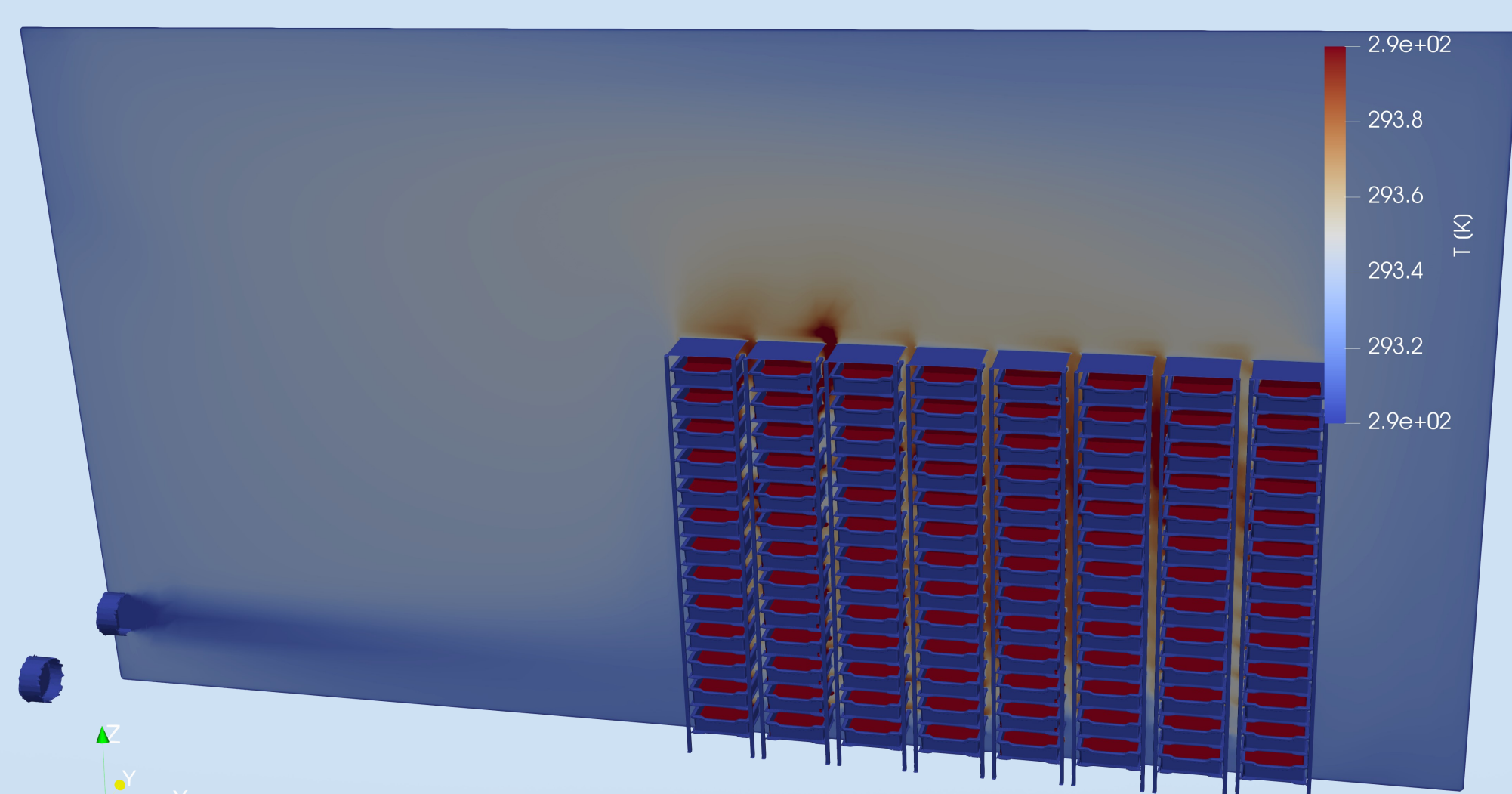
The CFD Model



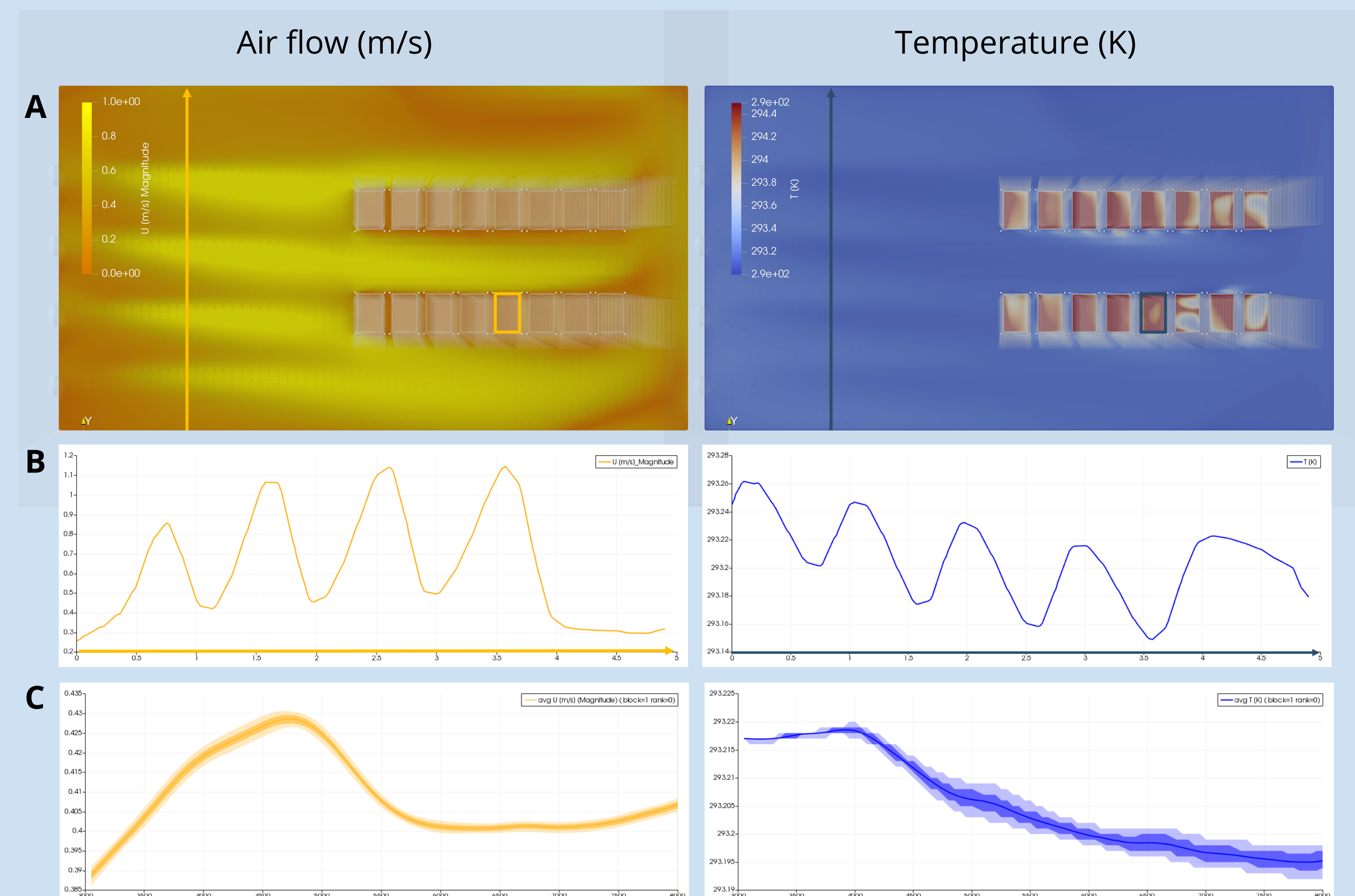
Data Visualization Examples



The rearing units are color coded by temperature (K) and the movement pattern of the air (m/s) and indicated by lines.



The rearing units and the slice of the production unit are color coded by temperature (K).



A. Slices showing the air flow (left) and temperature (right) across the production unit above the larvae in the lowest set of boxes.

B. Flow- (left) and temperature- (right) -profiles across the room, indicated by the vertical arrow in **A**.

C. Flow- (left) and temperature- (right) -profiles over "model time" from the box indicated by a square in **A**.

