

# CLOSING REMARKS

## WHAT WE HAVE LEARNED TODAY



Presented by:



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Aetion

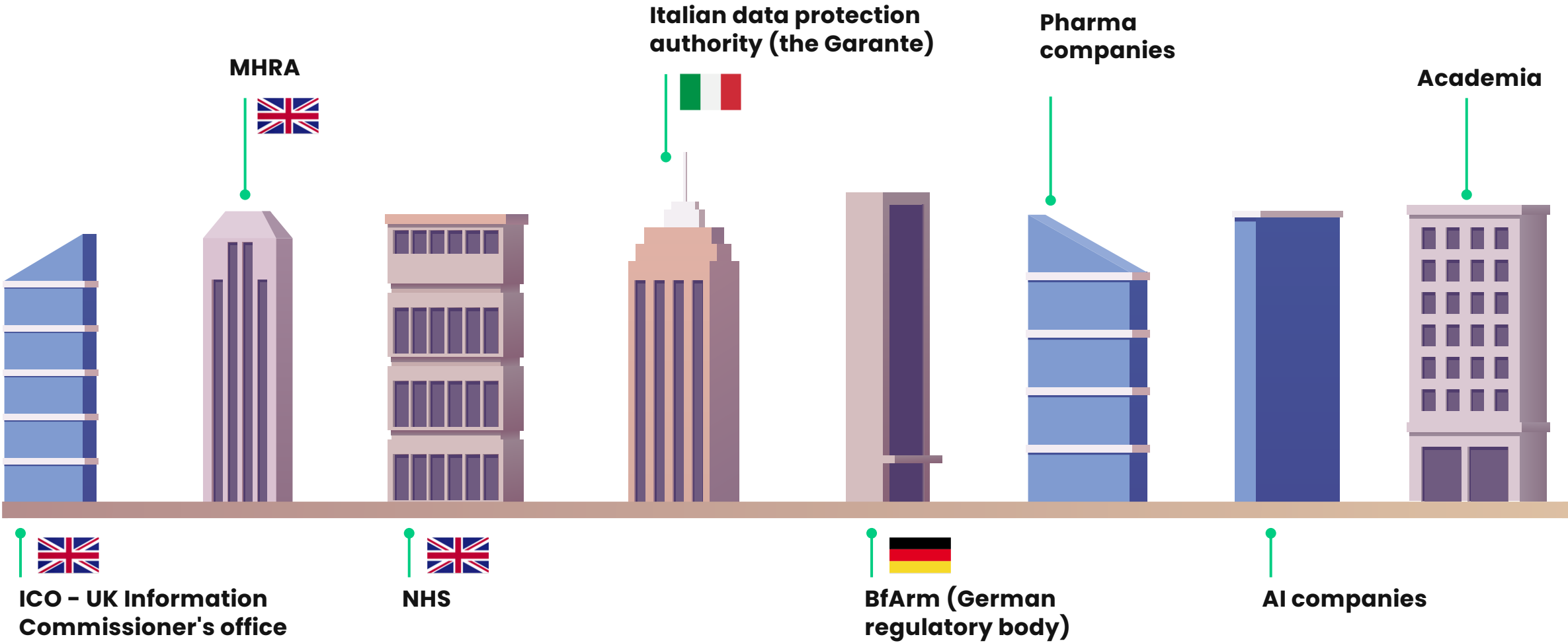
# Synthetic Data Summit 2023

**Confidentiality** **Augment** **Validity**  
Expert determination Data Access Trust  
**GDPR** **Utility** **Privacy** Reliability  
**Generative AI**  
Acceleration  
**Speed** Regulator **Use Cases** **Data Sharing**  
Public Health **Clinical Development**  
Anonymization **De-bias**



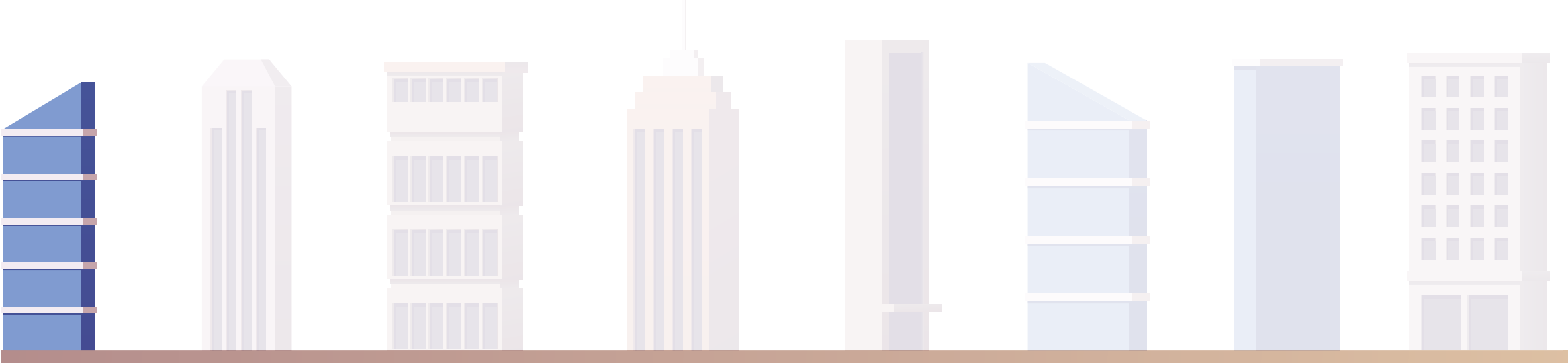
# Summary: Building on what we heard

## One topic - many perspectives



**Risk assessments should consider purpose and context of data use.**

**Always budget for and consult with data privacy experts.**

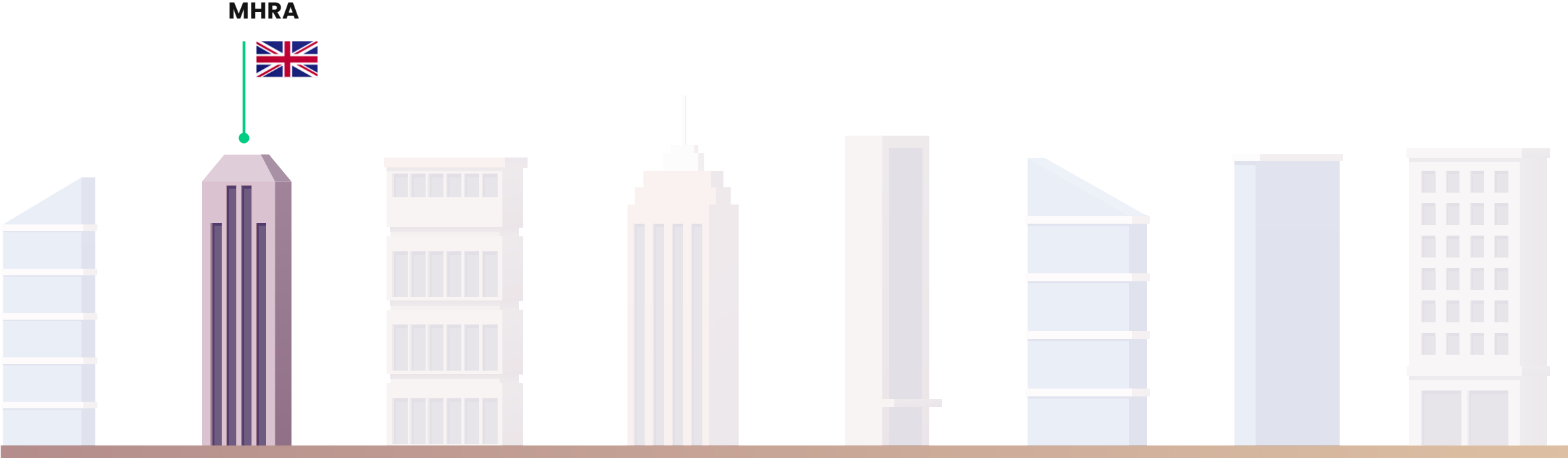


**ICO - UK Information  
Commissioner's office**

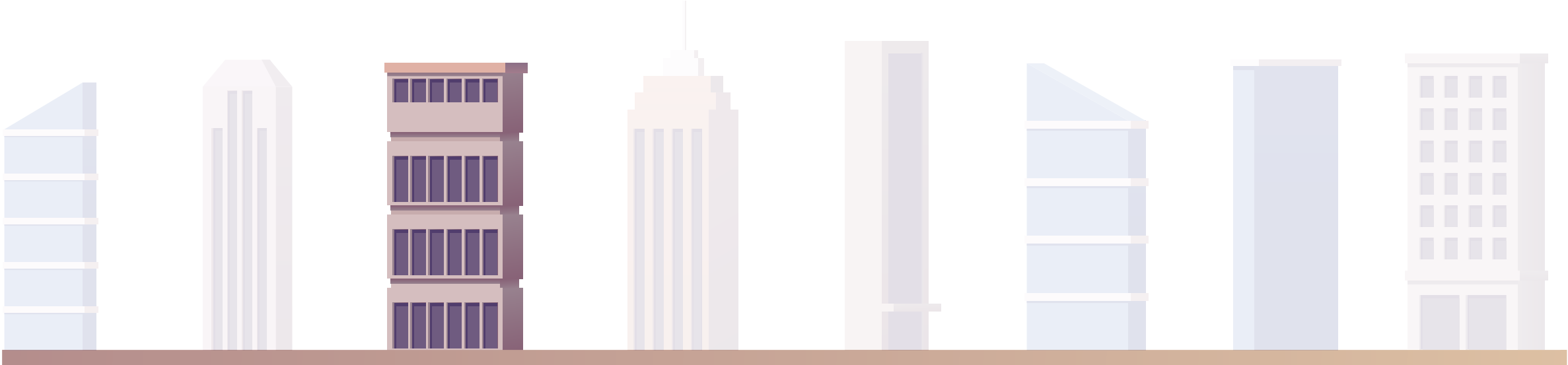


**High fidelity data can be used for data augmentation and de-biasing data, e.g. in clinical trials and for model training.**

**Early engagement with MHRA is key when using SD.**



**We know that balancing utility and privacy is key, explainability and adoption – i.e. user centricity – are similar important.**

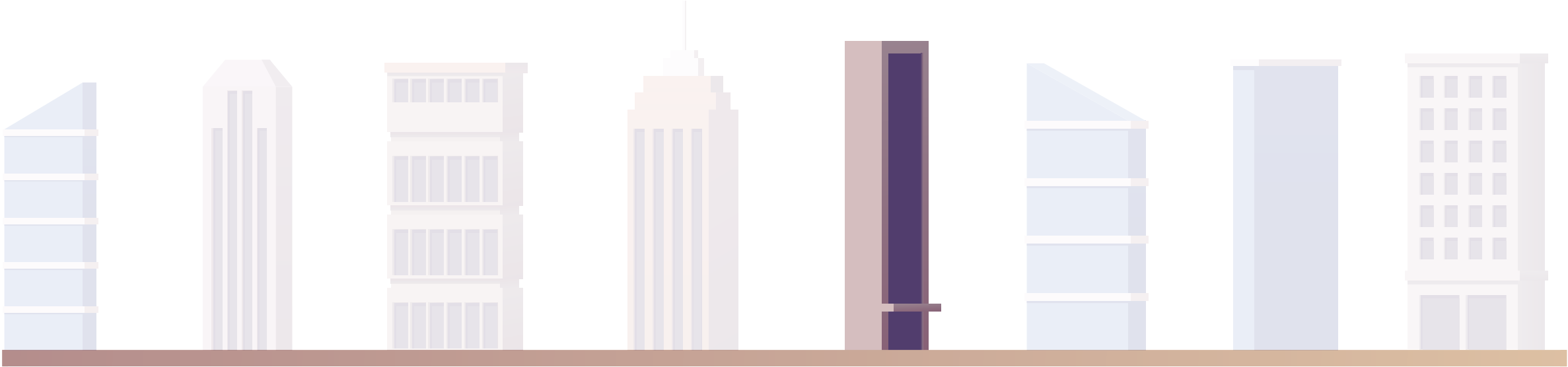


**NHS**

# European data protection laws require deep expertise to ensure compliance - both, for anonymized and synthesized data.



# Synthetic data are essential for extending the use of RWD for research in a privacy conserving manner.



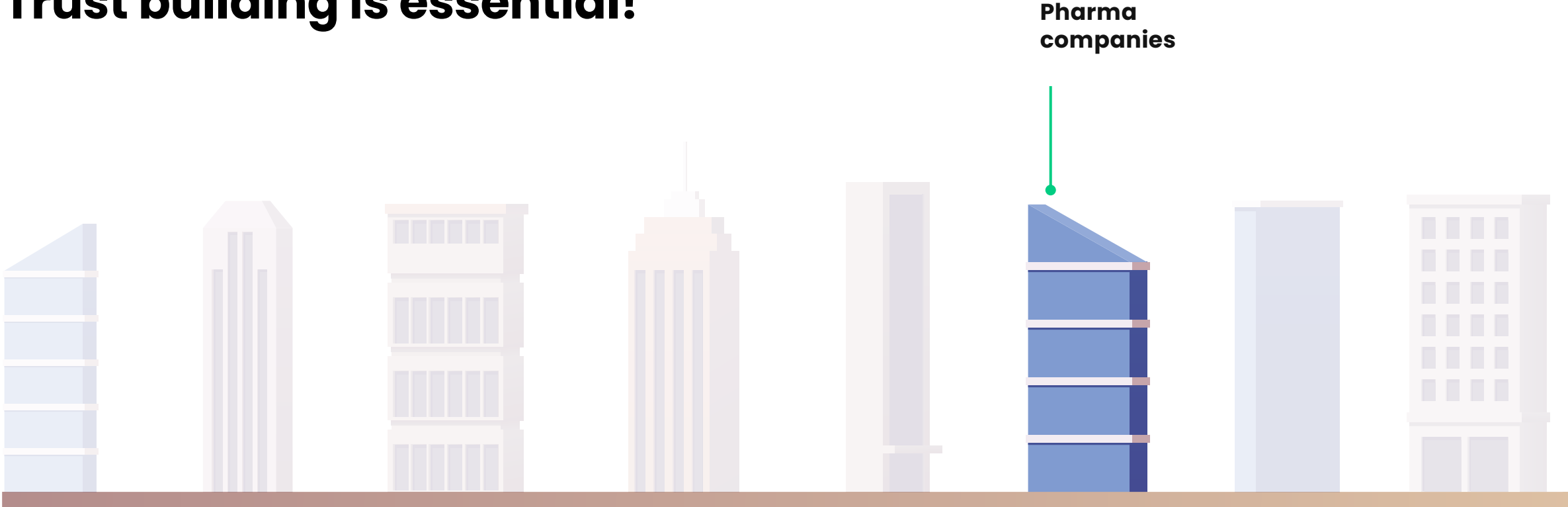
**BfArm (German regulatory body)**





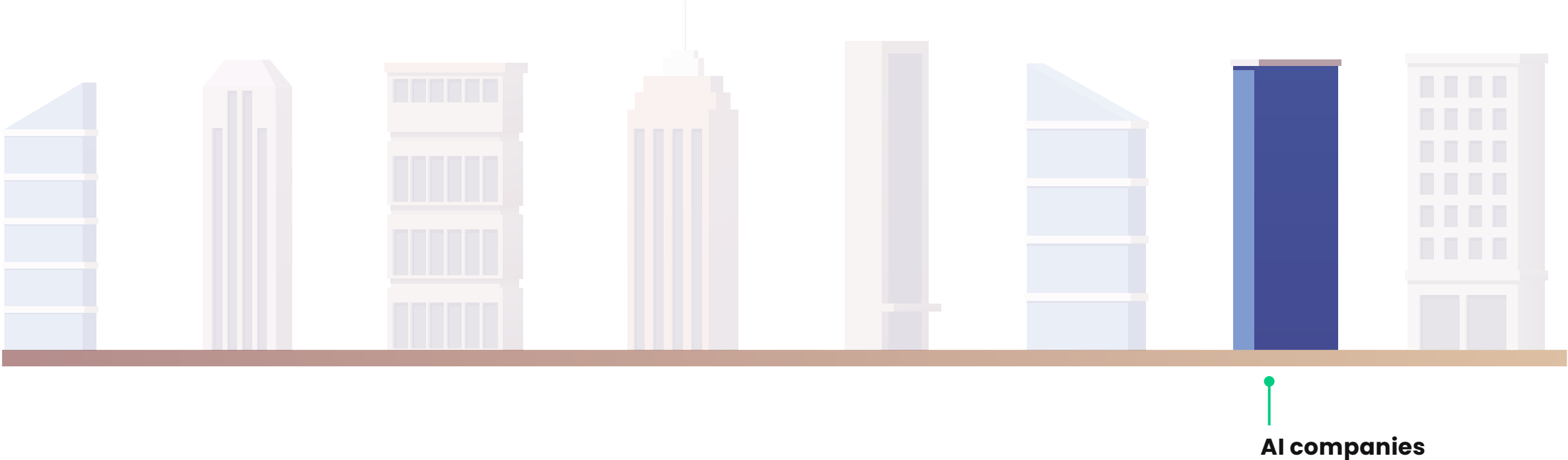
**Synthetic data allow clinical trial data sharing and enhancing clinical development, incl. simulation and prediction of patients and outcomes.**

**Trust building is essential!**



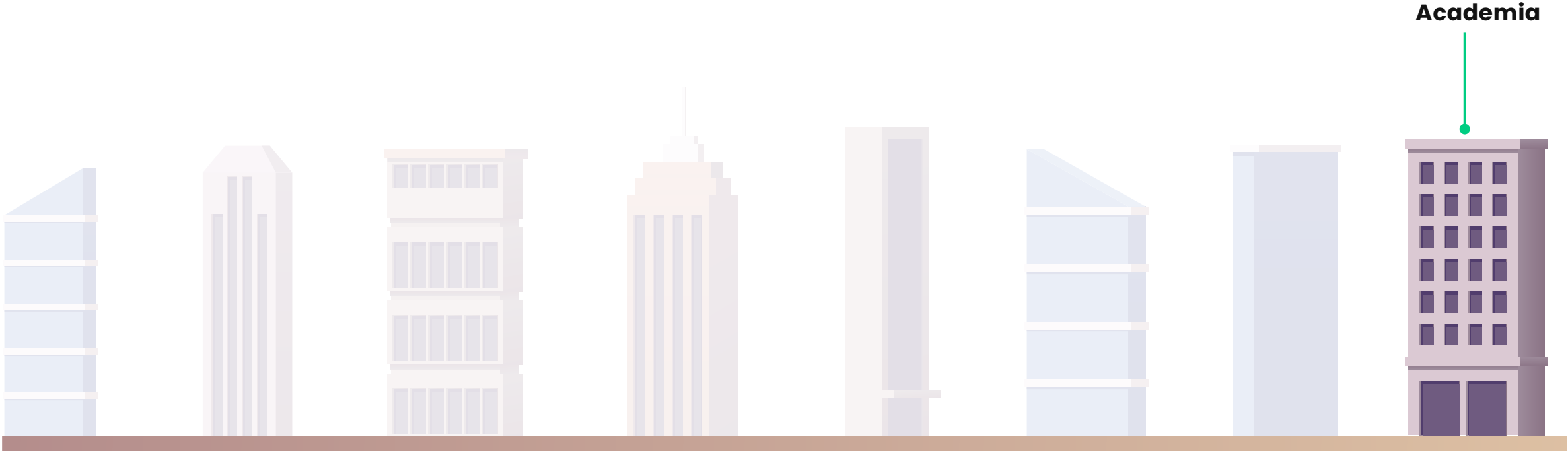
**Utility, privacy, reliability, accuracy, transparency, and validation are important proof points for industry players.**

**Private-public partnerships can speed-up the development of methods/use cases, and enhance trust.**



**Different types of data are complex to synthesize and require different methods, e.g. for longitudinal data.**

**Bias mitigation below 50% is addressable, above 80% it is difficult to compensate for.**



# Thank you for this most interesting and interactive day!

