Appendix

About the Jockey Club Museum of Climate Change (MoCC)

The Jockey Club Museum of Climate Change was established in December 2013 at CUHK. It is the first museum of its kind in the world. It regularly organises interactive multimedia exhibitions featuring valuable collections and providing information about climate change. These exhibitions are designed to keep visitors abreast of the latest developments in environmental conservation and sustainability and to persuade them, especially students and teachers, to rally to the cause of environmental stewardship. Since its inception, the Museum has hosted over 2 million exhibition visitors and served millions of members of the public through its off-site educational activities. More details about the Museum can be found at https://www.mocc.cuhk.edu.hk.

About Digital Common(s) Lab

Digital Common(s) Lab is a Non-Profit Technology Startup that bridges the gap between public consultation and sustainable development. Our researchers use Metaverse to translate complex policies into 3D visuals, enabling citizens to co-create ecological public spaces, while our custom AI algorithms convert fragmented feedback into planner-ready data.

Validated through 4 years of PhD research at CUHK, engaged over 300+ participants, and supported by the HKSTP Ideation Program, our open-source "Idea Bank" makes collective insights reusable for government, developers, and architects – with the mission to democratise urban design and build regenerative cities shaped by those who inhabit them.

Beyond professional practice, we cultivate intergenerational design literacy through school workshops and community labs. Youth and elderly co-learn AI tools to visualise their neighbourhood's future, bridging classroom learning with real-world urban innovation. Our vision is a city led by a new generation of citizen designers empowered with digital skills, spatial thinking, ecological literacy, and collaborative problem-solving. Currently piloting in Hong Kong. Partner with us to bring digital participatory design to your organisation [www.digital-commons-lab.com].

About the Rootelligence Exhibition

Welcome to ROOTELLIGENCE – blending grassroot wisdom with machine intelligence, this exhibition explores the intersection of Climate Equity, AI and Youth-Led Future Cities, organised by CUHK Pre-Incubation Centre (PI Centre), CUHK Jockey Club Museum of

Climate Change (MoCC) and non-profit start-up Digital Common(s) Lab, and co-organised by the CUHK's School of Architecture.

Climate change impacts communities unequally: lower-income groups, elderly and children endure disproportionate risks from extreme heat and severe weather. Northern metropolises are being planned today for inhabitants 30 years from now, and today's youth, as tomorrow's primary city-dwellers, ought to be empowered to co-design their future habitats; yet AI-driven urban-planning automation creates barriers for public participation without adequate digital literacy.

Digital Common(s) Lab therefore aims to equip youth with climate knowledge and accessible basic-AI skills, and this exhibition presents their citizen co-design outputs spanning 2021-2026, guided by the core philosophy: build AI WITH people, not just FOR people.