0	1 ETH Advanced Informality
0	Benedikt Groß Agricultural Printing and Altered Landscapes
03	Kéré Architecture Atelier Gando
04	Stefano Rabolli and Paula Nascimento Beyond Entropy, Angola
05	Didier Faustino BUILTHEFIGHT
06	Manuel Herz Camps as Laboratories84
07	CMAP Chicoco Radio
08	URBZ Circulatory Urbanism
09	Florent Mazzoleni City Songs110
10	FABULOUS URBAN Decentralized Neighbourhood Hotspot
11	Rotor Deconstruction
12	onSITE Design Build
13	Nicole Concordet / Construire Housing Estate in Claveau
14	OpenGarden FireChat
15	Assemble Granby Four Streets
16	ETH / Future Cities Lab Green Steel
17	Hugh Broughton Architects Halley VI Antarctic Research Station
18	Gilles Clément Île Derborence
19	Elemental / Alejandro Aravena Incremental Housing
20	Rahul Mehrotra and Felipe Vera Kumbh Mela: Mapping the Ephemeral Megacity 190
21	MOS Architects Lali Gurans

22	Beka & Lemoine La Maddalena210
23	Patrick Bouchain, Loïc Julienne and Sébastien Eymard / Construire Les Bogues du Blat
24	51N4E living apart together
25	Teddy Cruz and Fonna Forman Manufactured Sites. 230
26	Bureau A Monte Verità
27	Sunna Design Nanogrid
28	Thomas Lommée OpenStructures
29	l'AUC Producing a common world
30	Jiakun architects Rebirth Brick 266
31	Bourbouze and Graindorge Looking at / Building 274
32	PEROU Reinventing Calais
33	Joshua Bolchover and John Lin Rural Urban Framework
34	Deane Simpson Senior Recreational Vehicle Community of the US 296
35	ETH/PUC, IAS + Y-GSA/TU Spaces of Commoning
36	Christophe Hutin South West Resilience
37	Lacaton & Vassal, Frédéric Druot, Christophe Hutin and Philippe Ruault Conversion of 530 flats
38	Forensic Architecture Urban-Data Complex
39	Urban Think Tank Vertical Gym
40	Atelier Provisoire VIM, logements
41	Martin Étienne A visit to Kraftwerk
42	Architecture & Vision Warka Water374

Cairo

Disappearance of arable land to make way for new forms of urban speculation

Today almost 60% of the 20 million inhabitants of Cairo live in illegally constructed housing. Since the 1960s, this informal urbanisation has developed on farmland around the city, destroying hundreds of acres of arable land. Self-built housing has gradually turned into a semi-professional business, fuelled by the neo-liberal economy and the inadequacies of the State. The phenomenon, which accelerated after the Arab Spring in 2011, has now reached an almost industrial stage of development, where speculation is rife.

The Advanced Informality study reveals the damage wrought by the system on both people and land: standardised, poor-quality housing, residents owning illegal flats from which they can be evicted at any time, sacrificed farmland, and so on.

www.angelil.arch.ethz.ch

MAS Urban Design – ETH Zurich: Marc Angélil, Charlotte Malterre-Barthes and Something Fantastic in collaboration with CLUSTER Cairo and the American University of Cairo photos: © Lorenz Bürgi; © Julian Schubert graphic design: Something Fantastic

Perfecting informal housing

In the light of rampant speculation concerning farmland around Cairo, the ETH Zurich team led by Marc Angélil and Charlotte Malterre-Barthes has worked on transforming the typology of these sets of buildings. By recombining architectural and structural elements, they seek to improve quality of life in the flats and create communal areas that will improve daily life across these districts.

To offer access to a view or to natural light, or to provide better ventilation in the flats, the architects proceed by removing materials from these hyperdense residential towers. Other proposals for empty plots entail new ways of building under the same conditions: moving the circulation node, spreading out the structure, and so on. The idea is to improve housing quality through tactical interventions.

4







3 P1 P2 P3 P4 P5 P6 P7

Advanced Informality: From Agrarian Land to New Urban Forms in Cairo

MAS Urban Design ETH Zurich

TABLE 1

Pre-1970 / Agrarian land, pre-urban growth

Property lines and irrigation channels establish the primary territorial division and the base for later urbanisation.

TABLE 2

1970-2011 / Informal construction on arable land

Housing structures materialise, following an established typology of concrete frames and brick infill, with street patterns registering agrarian subdivisions, generating 'urban canyons'. The Ring Road is built.

Urban growth is relatively timid and buildings are at a distance from the main road as contractors aim to conceal illegal housing from the authorities' attention.

TABLE 3

2011-today / Post-revolution development

Contractors grow confident and engaged in speculative illegal construction, detectable via the change in building height. This phase shows the penetration of market forces operating in a neoliberal mode.

In this model, alternatives projects developed by MAS Urban Design for innovative architecture are positioned on site.

From: Marc Angélil and Charlotte Malterre-Barthes in collaboration with Something Fantastic and CLUSTER, Housing Cairo – The Informal Response, Ruby Press, 2016