1: Benedikt Groß, Avena+ Test Bed: Agricultural Printing and Altered Landscapes (2013)
Photography: Florian Vögtle/Stefan Eigner (photographer); Hermann Benkler (pilot)
Image courtesy the designer

Photograph: Yoko Akama
Image courtesy the designer
3: Joachim Halse, Eva Brandt, Brendon Clark and Thomas Binder
Image courtesy the designers

4: Bill Gaver, Mike Michael, Tobie Kerridge, Liliana Ovale, Matthew Plumlee-Fernandez, Alex Wilkie and Jennifer Gabrys
ECDC Energy Babble (2014)
Images courtesy the designers
5: Futurefarmers, Erratum (2010)
   Video still
   Image courtesy the artists

6: Noam Toran, If We Never Meet Again (2010)
   Film shot on HD, screened on two monitors
   Images courtesy the artist
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## CREDITS

**Avena+ Test Bed — Agricultural Printing and Altered Landscapes**

Groth acknowledges the generous support of: Maxivillian Count of Königsegg-Aulendorf, administrator Hofgut Steffenaube, Herbert Gieser, project engineer Lorenz Riegger, Roland Groth, tractor driver Stefan Rieger, farming contractor Liu Bo Bo and, for agricultural advice, Norbert Henriksen, Professor Dr. Klaus Schneider and Professor Dr. Martin Dietrich. Groth also thanks Florian Völtsch for aerial footage, and Hermann Benker, pilot. The agricultural machinery was generously provided by ASICO, Massey Ferguson, HÖRCH Maschinen GmbH and Agrom Agrar and Kommunotechnik GmbH.

**Community Centred Innovation: Co-designing for disaster preparedness**

The Community-Centred Innovation codesigning workshops have been coordinated for the Southern Otways, Victoria; Kingborough, Tasmania; Ku-ring-gai Council, NSW; the Aboriginal and Torres Strait Islander (ATS) community in Cherbourg, Queensland, and the City of Greater Bendigo, Victoria. The workshops are supported by the Australian Emergency Management Institute.

**Design-Antroplogisk Innovations Model / The Design Anthropological Innovation Model (DAIM)**

DAIM is the result of interdisciplinary collaboration by the Danish Design School, the Sønderborg Participatory Innovation Research Centre (SPIRE) at the University of Southern Denmark, the waste incineration company Vestforbrænding, Danish design studios including 150B, 3PART and Arkitema, and international partnerships with MakeTools, SWECO FFNS and Ergonomidesign.

**Energy and Co-Designing Communities (ECDC)**

ECDC acknowledges the contributions by all participants engaged with the project, including ECDC communities: Reepham Green Team, Transition New Cross, Greenwich Goldsmiths, Low Carbon Living Ladding and Strandham Road, Meadows Partnership Trust, Energise Hastings, Whitehill and Bordon Eco Town, the communities: Avel Aman Tawe Community Energy, Baywind Energy Co-operative Ltd, BedZed, Isle of Eigg Heritage Trust, Hoke Norton Llamas Low Impact Initiative, Low Carbon Berkwich, Low Carbon West Oxford, Moneyless Village, Muswell Hill Sustainability Group, One Planet Sutton, Sanford Housing Cooperative, Sustainable Blacon, Trivers’ Bubble, Transition Town Brixton, Transition Town Penkham and Transition Town Totnes; and resources provided by: Community Energy Initiatives, Energy Savings Trust, Department of Energy & Climate Change, Forum for the Future, Grassroots Innovations Blog, Nanode, Bristol Energy Network and Electric.

**If We Never Meet Again**

Writer, director: Noam Toran; director of photography: Per Tinggard. If We Never Meet Again was funded by a grant from the Engineering and Physical Sciences Research Council and the Royal College of Art, London. The work is part of the collection of the Israel Museum, Jerusalem.

**The Institutional Harvest**

The data for The Institutional Harvest was collected as part of a research project undertaken by Herrmann in Andrew at the Australian National University, which contributed to a larger project led by Marian Swer and Sarah Maddison. The work was funded by the Australian Research Council. Discovery grant number DP0878588.

**The Phenology Clock**

The Phenology Clock was developed at xProjects and Foremacy, subsidiaries of the Environmental Health Clinic at New York University led by Natalie Jeremijenko, http://www.environmentalhealthclinic.net/. The Environmental Health Clinic is a clinic and lab modelled on other university health clinics. It approaches health from an understanding of its dependence on external local environments, rather than on the internal biology and genetic predispositions of individuals.

**Sensitive Aunt Prototype**

The Sønderborg Participatory Innovation Research Centre (SPIRE) at the University of Southern Denmark, the international Centre for Indoor Environment and Energy (ICIIE) at the Technical University of Denmark (DTU), window and skylight manufacturer Velux, and indoor climate designers Workflow, Niall and engineering consultancy Grontmij, and insolation company Saint-Gobain Isover.

**Veloscape v.7**

Institutional Harvest

Women's Services and

Image courtesy the artists

Image courtesy the artiat
9: Australian Bureau of Statistics, Leo Burnett Sydney, and Millipede Creative Development
Run That Town: A strategy game with a twist (2013)
Image courtesy the ABS

10: Laurens Boer and Jared Donovan, Sensitive Aunt Provotype (2012)
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11: Chicks on Speed (Alex Murray-Leslie and Melissa Logan) in collaboration with Kathrin Krottenthaler
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12: Josh On/LittleSis.org, They Rule (2001/2011)
Interactive website
Screengrab
Image courtesy the artist

13: Jill Bennett, Volker Kuchelmeister and Laura Fisher
Veloscape: a Curating Cities project (2014)
Data collection using galvanic skin response, go-pro camera and GPS
Photograph: Laura Fisher