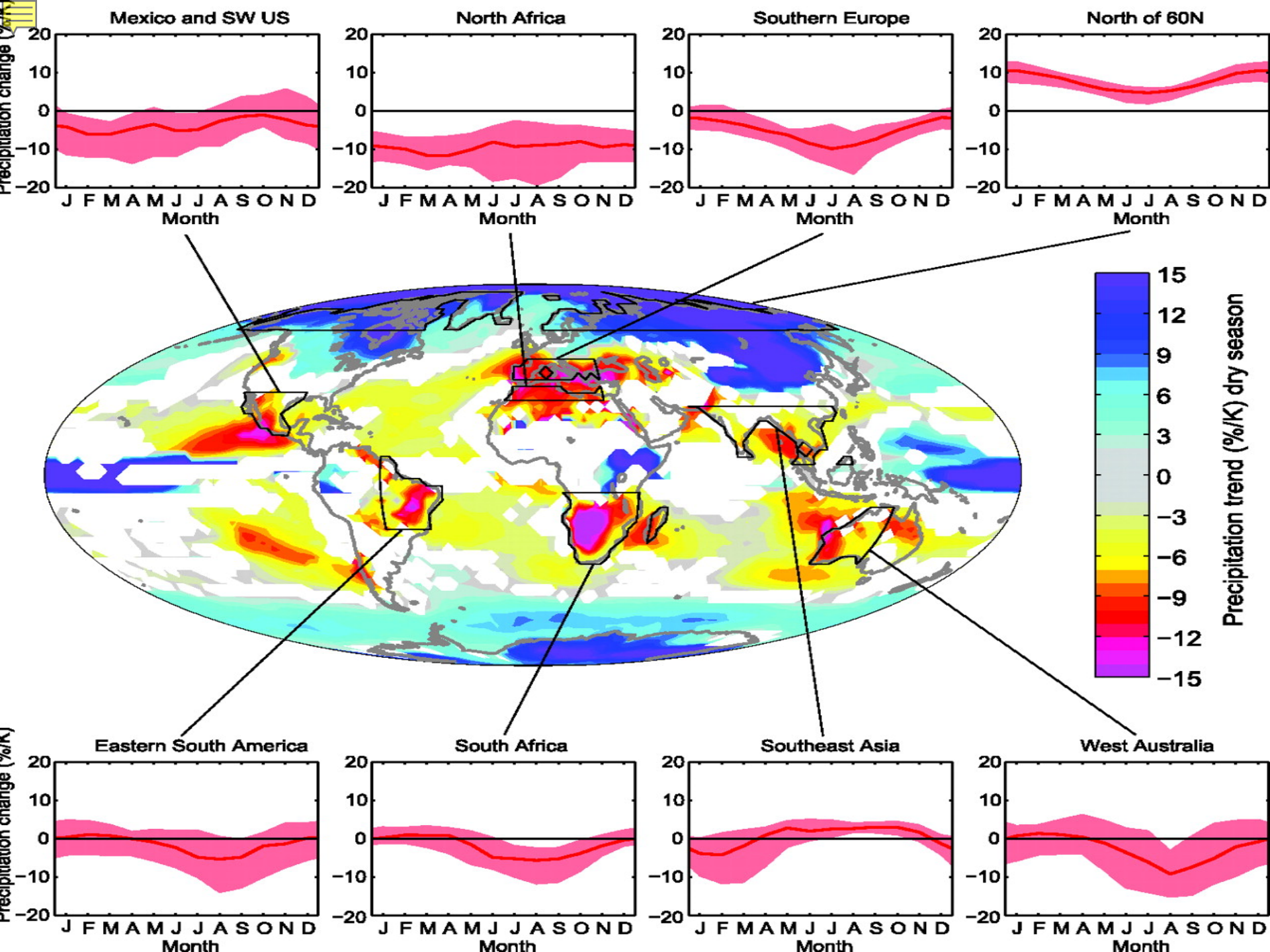# Learning how to use climate information with machinima

Helen Farley

Kate Reardon-Smith

Neil Cliffe

Shahbaz Mushtaq

Roger Stone

Joanne Doyle Neil Martin

Jenny Ostini

Tek Maraseni

Torben Marcussen

Adam Loch

Janette Lindesay

Mexico and SW US

Precipitation change (%/K)

J F M A M J J A S O N D
Month

North Africa

J F M A M J J A S O N D
Month

Southern Europe

J F M A M J J A S O N D
Month

North of 60N

J F M A M J J A S O N D
Month

Precipitation trend (%/K) dry season

Eastern South America

Precipitation change (%/K)

J F M A M J J A S O N D
Month

South Africa

J F M A M J J A S O N D
Month

Southeast Asia

J F M A M J J A S O N D
Month

West Australia

J F M A M J J A S O N D
Month

Steps in machinima making

1. Developing the script
2. Recording the soundtrack
3. Avatars created
4. Sets created
5. Shooting the machinima
6. Editing
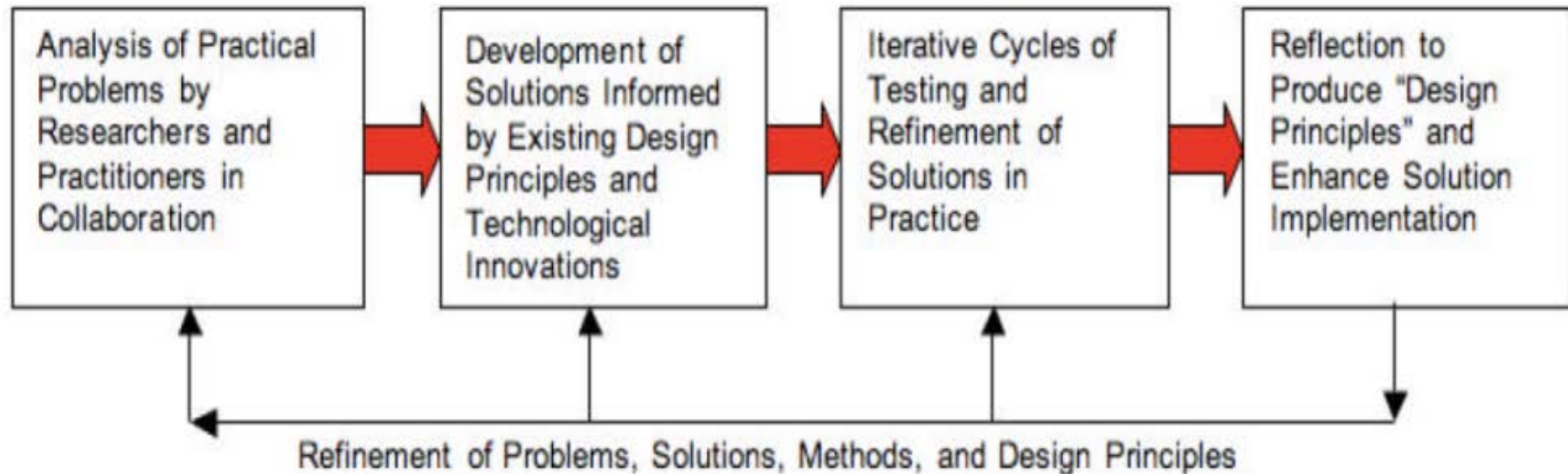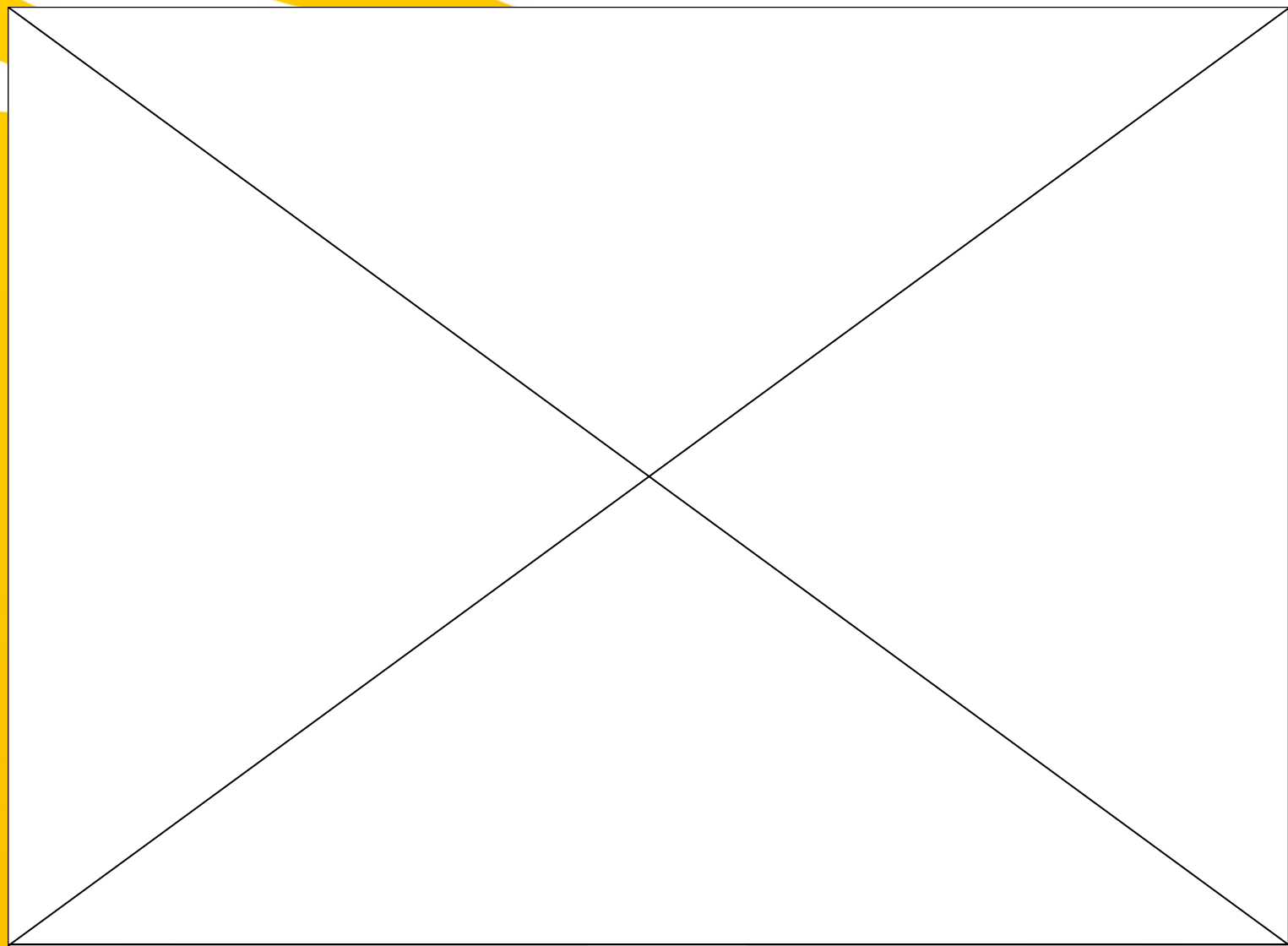7. Add credits

Design-Based Research

| Analysis of Practical Problems by Researchers and Practitioners in Collaboration | → | Development of Solutions Informed by Existing Design Principles and Technological Innovations | → | Iterative Cycles of Testing and Refinement of Solutions in Practice | → | Reflection to Produce "Design Principles" and Enhance Solution Implementation |

Refinement of Problems, Solutions, Methods, and Design Principles

Figure 1: Predictive and design-based research approaches in educational technology research (Reeves, 2006)

http://youtu.be/pej7DhtKafE

Virtual shed meetings

Picture credits

Photos from Flickr …

Realizing the agricultural potential of inland valleys in sub-Saharan Africa by AfricaRice

JoeFarmer by Fronteras Desk

Photos from Second Life and project machinima

Please contact us!

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