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Nuclear Fission

Lindemann, Christian

Nuclear fission is an example of how "small" scientific discoveries can have profoundly destructive consequences for the entire globe. The discovery of the nuclear chain reaction in a lab enabled the construction of atomic bombs and nuclear power plants—something never intended by the scientists. Science cannot absolve itself of responsibility. Research should be guided by the principle of sustainable development: each generation must act in such a way that preserves natural resources and living conditions without endangering future generations. This ensures that all people can live together and enjoy economic and social stability. In the Anthropocene, this principle is more important than ever.



Nuclear Fission - Original instruments by Otto Hahn, Lise Meitner and Fritz Straßmann: „Hahn-Meitner-Tisch", Inv.-Nr.: 1952/71930
Christian Lindemann

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Nuclear fission

Text and images by Christian Lindemann
University of the Arts (UdK), Berlin



Nuclear Fission with Lise Meitner and Otto Hahn
"I've got it!"
Sweden, January 1939

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"What's going on, Lise?"

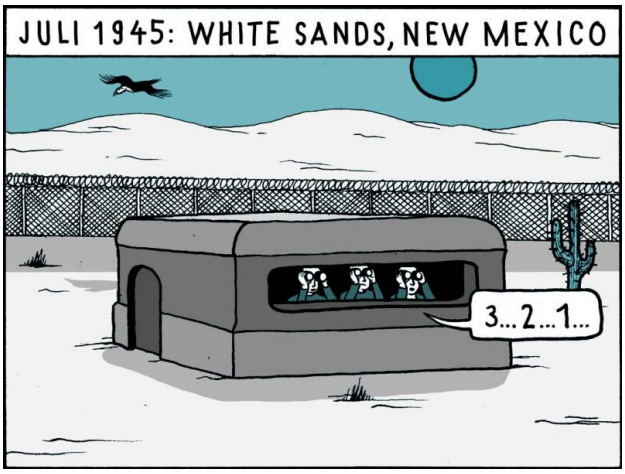
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"Oh... mail from Sweden from Lise: "Dear Otto, you split the atom in your experiments!"
Shortly after in Berlin

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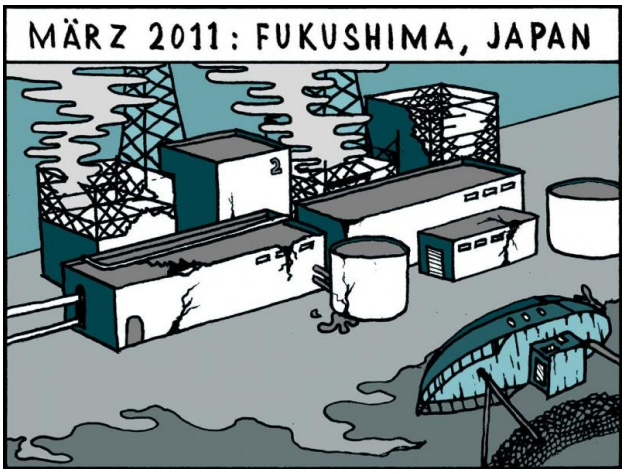
July 1945: White Sands, New Mexico

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August 1945: Hiroshima, Japan

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March 2011: Fukushima, Japan

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"Traces of radioactive contamination in the environment have been clearly measured in remote places. The rate of radioactive contamination is rising globally."

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"Soon our time will come..."

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Artist's comment

Humans are trying to harness nature's power and use it for themselves. However, the use of nuclear energy has numerous problems. And in the case of atomic weapons, we must all hope that we never have another world war. Einstein once said: "The release of atomic energy has not created a new problem. It has merely made more urgent the necessity of solving an existing one."

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Further readings:

- Sources and Literature for the Anthropocene Milestone Comics

Related links:

- Welcome to the Anthropocene. The Earth in Our Hands. Special exhibition at the Deutsches Museum http://www.deutsches-museum.de/en/exhibitions/special-exhibitions/archive/2015/anthropocene/
- Welcome to the Anthropocene. The Earth in Our Hands. Virtual exhibition on the Environment & Society Portal http://www.environmentandsociety.org/node/6354
- Comic-Anthology, Deutsches Museum Website http://www.deutsches-museum.de/sammlungen/entdecken/comics/

Websites linked in image captions:

- http://www.deutsches-museum.de/sammlungen/meisterwerke/meisterwerke-i/kernspaltungstisch/