



Citizen Participation in Radioactive Waste storage



Literature Survey on Markers and Memory Preservation for Deep Geological Repositories, 2013. Marcos Buser, OECD/NEA.

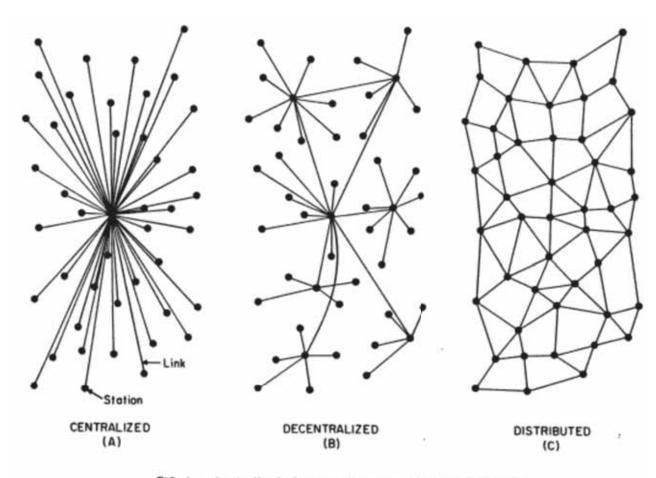


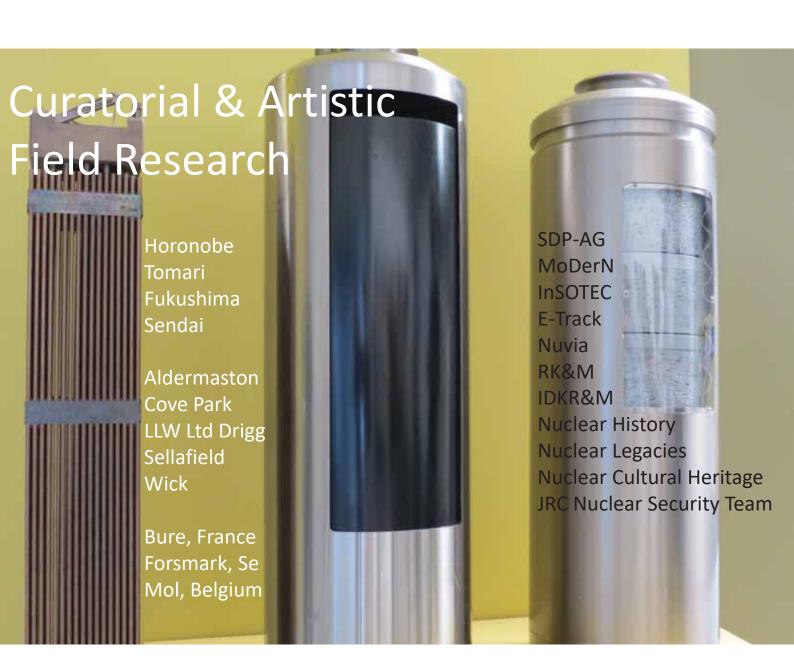
FIG. 1 — Centralized, Decentralized and Distributed Networks

Paul Baran, On Distributed Communications, 1964

Curatorial Strategy

To establish a critical context for commissioning contemporary art which engages individuals and communities in dialogue about the long term siting, monitoring and marking of radioactive waste environments.

- Partnerships between museums and RWM agencies.
- Developing a critical context for the artwork through publishing and roundtable discussions.
- Supporting artistic and curatorial research through site visits and access to information.
- Placing artworks in collections and archives for preservation & scholarship.
- Commissioning networked, permanent, informal and temporal practices.
- Working holistically to consider the de-colonisation of the nuclear cycle.
- Establishing resilient knowledge networks through networked and distributed artworks connecting sites and communities across generations.





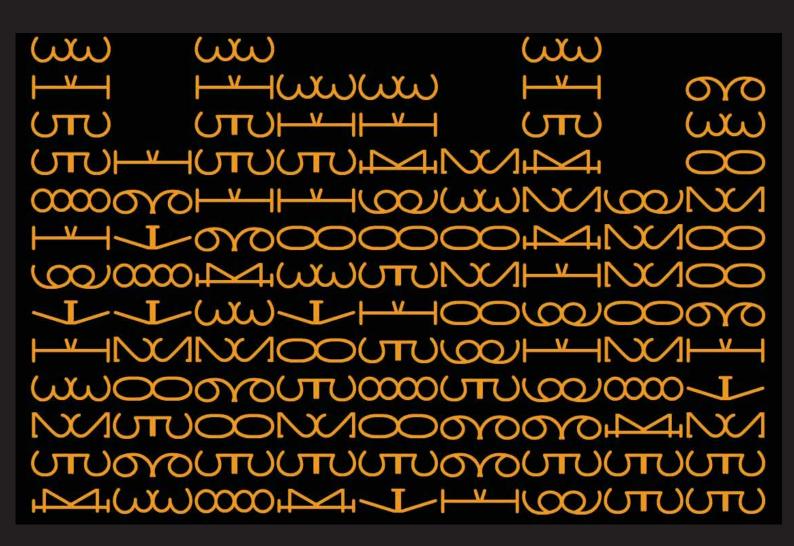
Nuclear Culture Field Trip, Farmer Kuse and his dairy cows, Hokkaido, Japan, 2014. Supported by S-Air and Arts Catalyst.



THE SECONDS REMAINING BEFORE THE WASTE THAT'S STILL HERE IS SAFE FOR US ALL

A NUCLEAR SEMIOTIC TOTEM - THOMSON & CRAIGHEAD

http://www.thomson-craighead.ne



Thomson & Craighead, temporary index (online database of counters)

Thomson+Craighead a temporary index

1. Onkalo Spent Nuclear Fuel Repository

Eurajoki, Finland start: 2020-01-01

duration: 100,000 years

2. Hallam Nuclear Generating Station

Lincoln, Nebraska, USA start: 1969-04-01 duration: 100 years

3. Waste Isolation Power Plant (WIPP)

Carlsbad, New Mexico, USA

start: 1999-03-26

duration: 1,000,000 years

4. Repository for Rad Waste Morsleben

(ERAM) Sachsen-Anhalt, Germany

start: 2001-04-17

duration: 10,000 years

5. Asse II Mine Intermediate Waste Store

Wolfenbüttel, Germany

start: 1995-01-01

duration: 10,000 years

6. Piqua Nuclear Power Facility

Piqua, Ohio, USA start: 1969-01-01 duration: 120 years

7. The Hanford Site

Hanford, Washington, USA

start: 1970-01-01

duration: 1,000,000 years

8. Dodewaard Nuclear Power Plant

Dodewaard, Netherlands

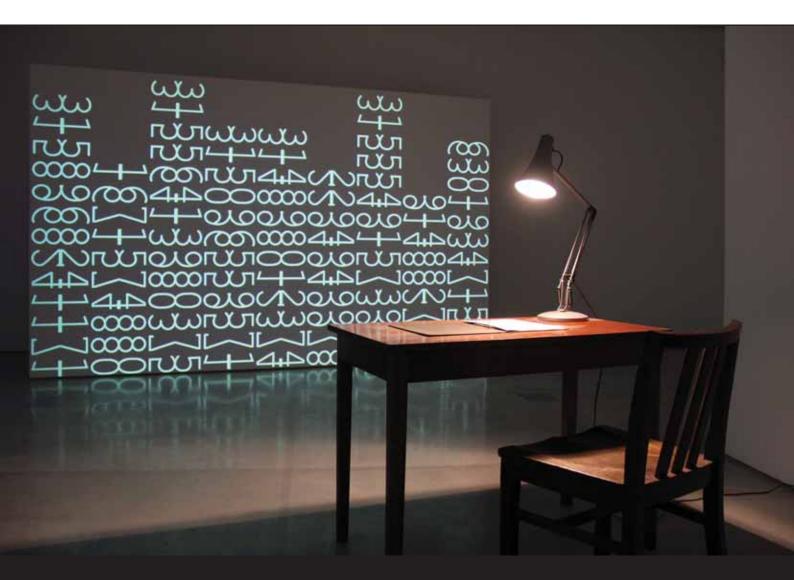
start: 2005-04-09 duration: 40 years

9. Chernobyl Reactor #4

Kyivs'ka oblast, Ukraine

start: 1986-04-26

duration: 20,000 years



Thomson & Craighead, temporary index. Carroll/Fletcher, London, 2015

Thomson & Craighead temporary index: Chernobyl, Reactor 4 Perpetual Uncertainty exhibition Bildmuseet, Umea, Sweden, 2016





Thomson & Craighead, temporary index the Dounreay low level waste storage site, commissioned for Nucleus, the Nuclear and Caithness Archives at Wick, Scotland.

Supported by Highland Highlife and the Nuclear Decommissioning Agency (NDA).

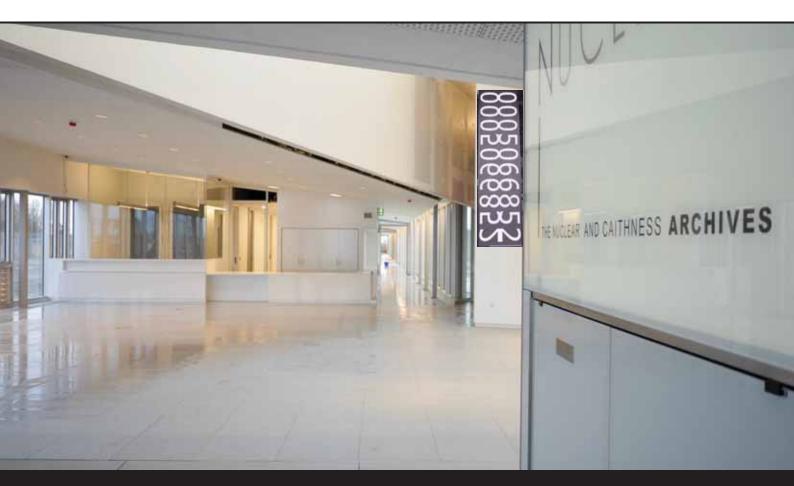


Illustration of how the Dounraey temporary index might be presented at Nucleus



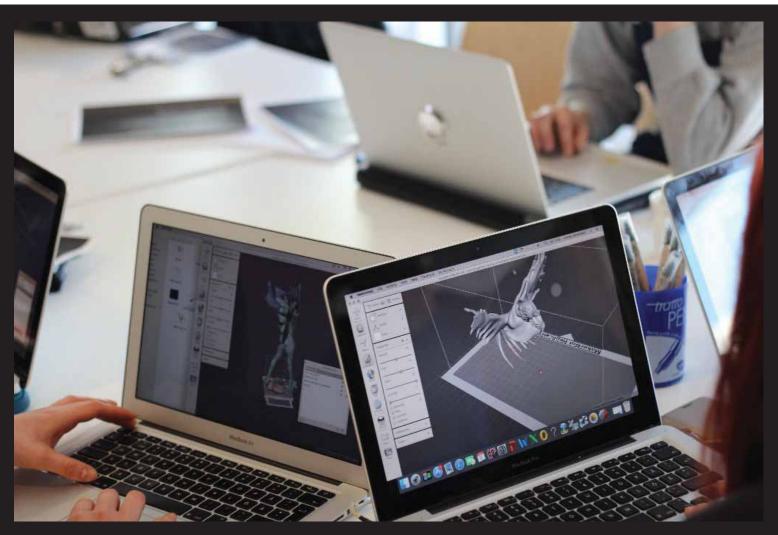


Andy Weir Pazugoo

3D Printable Marker for a Future Posthuman Palaeoarcheologist (c.700 BC – 4.6 x 10⁹ AD)

A collectively modifiable
Uranium-glowstick waving
Pazuzu, the Sumero-Asyrrian
demon of contagion,
epidemic and dust.

Proposed as a distributed marker for the Deep Geological Repository project.



Andy Weir, Pazugoo Participatory 3D Printing workshop, Bildmuseet, Umea University, Sweden, 2016



Andy Weir Bronze Marker

This bronze cast is only a few inches high, and is designed to be buried at the threshold or perimeter of a low or intermediate level waste site. This buried public artwork will be archived and protected by a repository cultural centre until the work is lost and found by future generations. A map of its location will be stored with the museum index.

Andy Weir Pazugo Museum Index

Acquired by the Malmö Konst museum for future preservation and scholarship.

The archive accompanying the object will include the location of Pazugoo objects at nuclear sites around the world, and the Key Information File (KIF) of the Records Knowledge & Memory (RK&M) project.





Saint Barbara, HADES, Mol, Belgium.

Patron Saint of artillery and mining, she protects against lightning and explosions.



3D printed Pazugoo Taranaki Test Site, Australia





James Acord, Hanford Studio, 1990s

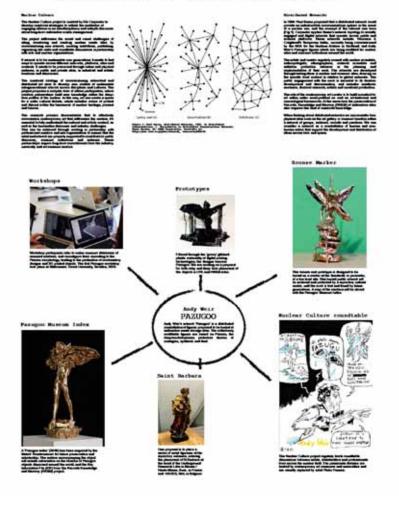




Perpetual Uncertainty Roundtable, Z33 Hasselt, Belgium, 2017.

NUCLEAR CULTURE

NETWORKED & DISTRIBUTED ART





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"Marshall McLuhan said that art was an early warning system in times of technological change.

In bringing together nuclear art and critical writings that tell our culture what is happening to it, Ele Carpenter's compelling book proves him right."

John O'Brian

Curatorial & Artistic knowledge production

Aesthetic

- Embodied abstract thought
- Manifest material geo-politics
- Complexity of invisibility / visibility

Social

- Embodied knowledge in artefacts
- Socially engaged experiences, exchanges and networks
- Holistic interdisciplinary knowledge
- Politically pluralistic representation

Cultural:

- Cultural Inheritance through art collections, publications, archives
- Culturally embedded site marking (distributed and networked)

