



Gap between science and people

February 12, 2017

Radiation Effects Research Foundation
Ohtsura Niwa

All started by the Atomic Bombs at RERF

The Einstein-Szilard letter to Roosevelt in 1939



Manhattan Project started in 1942



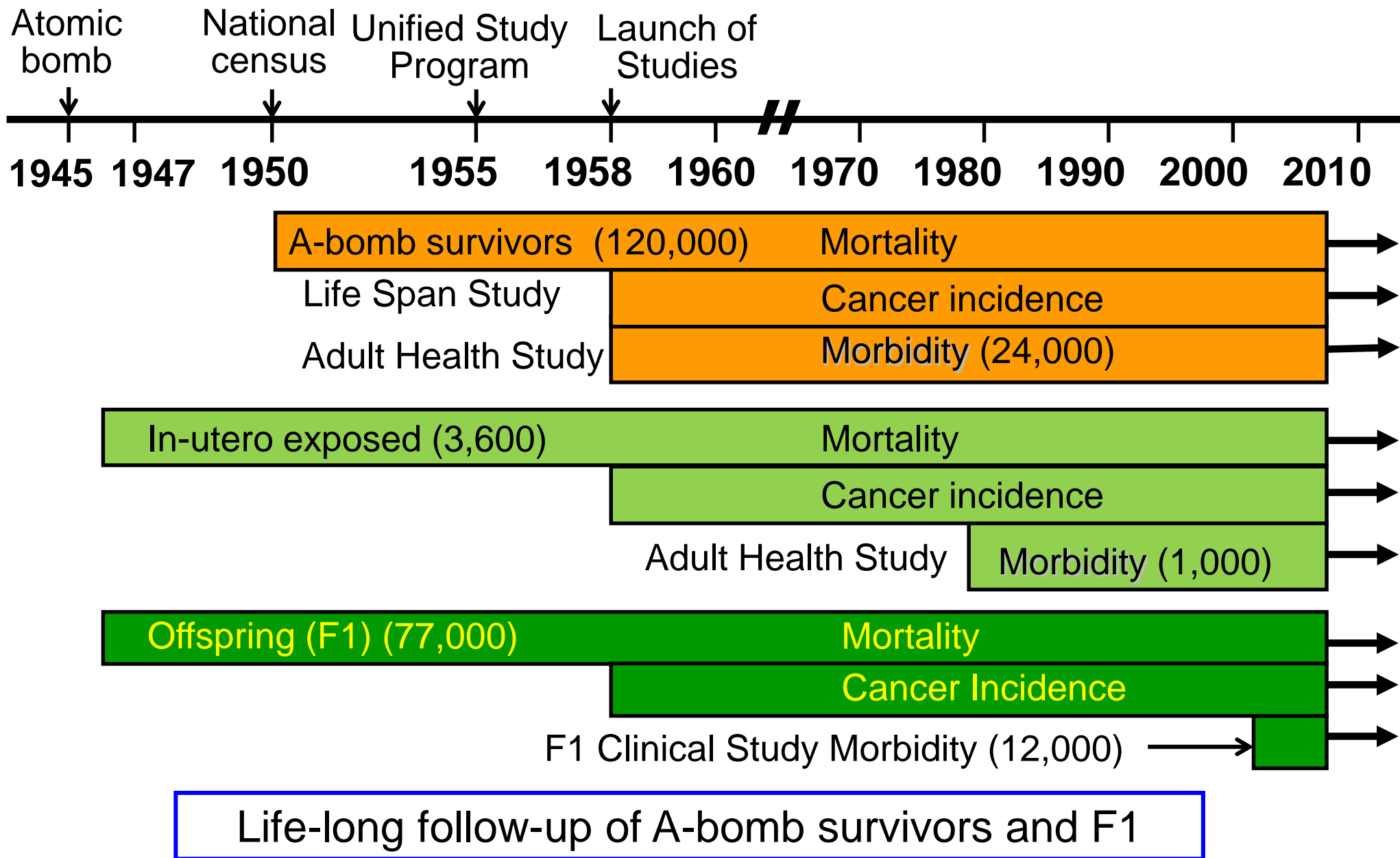
Trinity test detonation on July 18, 1945



Hiroshima & Nagasaki, on August 6 and 9, 1945

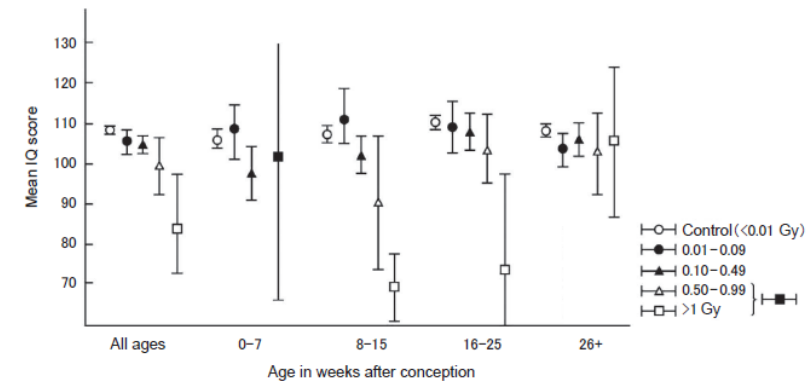
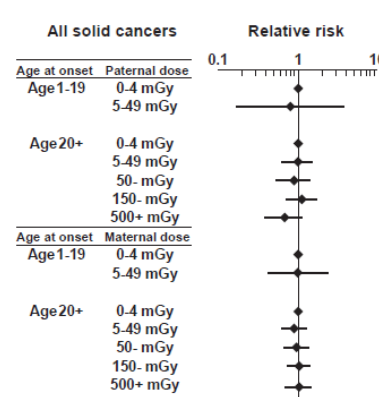
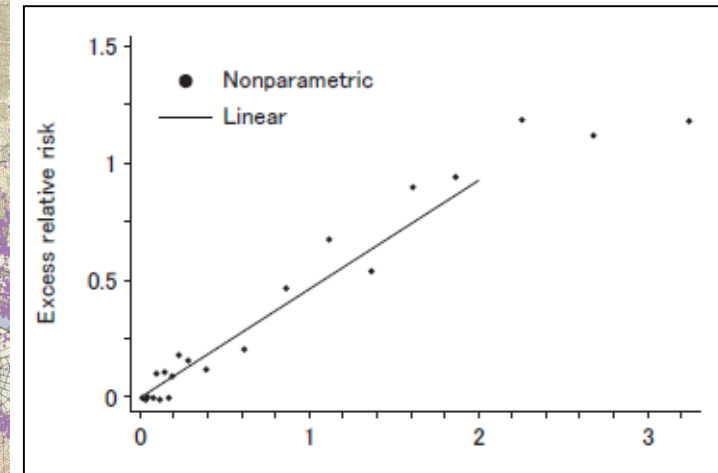
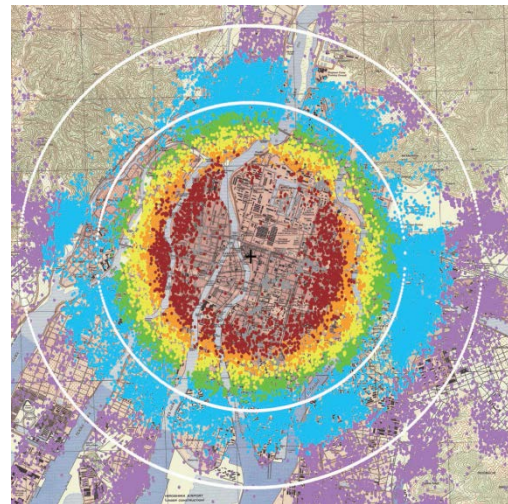
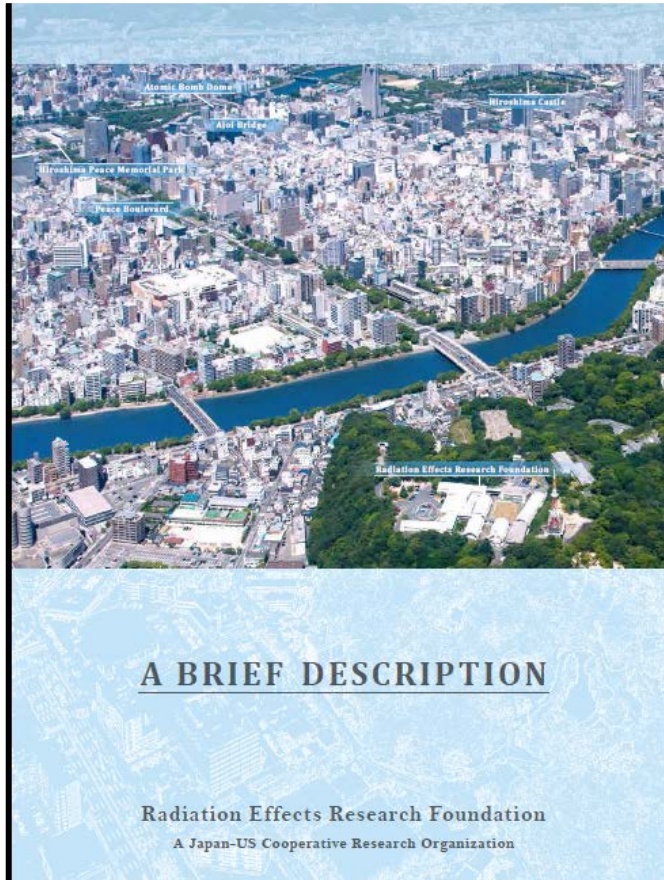


System of long term studies at RERF



Research outcomes from the 70 years study at RERF

Basic description of the work



Somatic effects among A-bomb survivors (since 1950)

Somatic effects among the in-utero exposed (since 1946)

Genetic effects studied among children of the survivors (Since 1948)

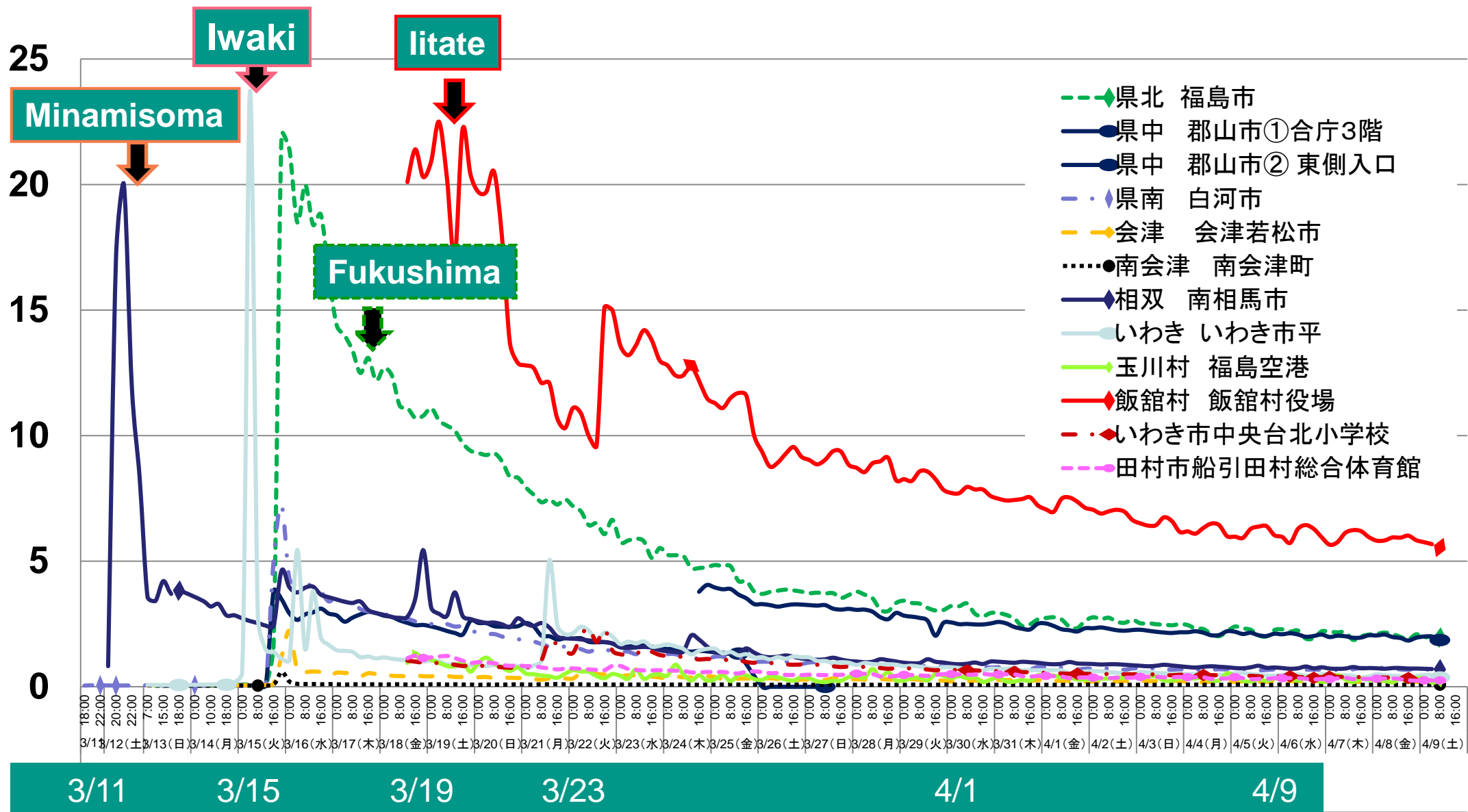
http://www.rerf.jp/shared/briefdescript/briefdescript_e.pdf

When the Fukushima accident took place

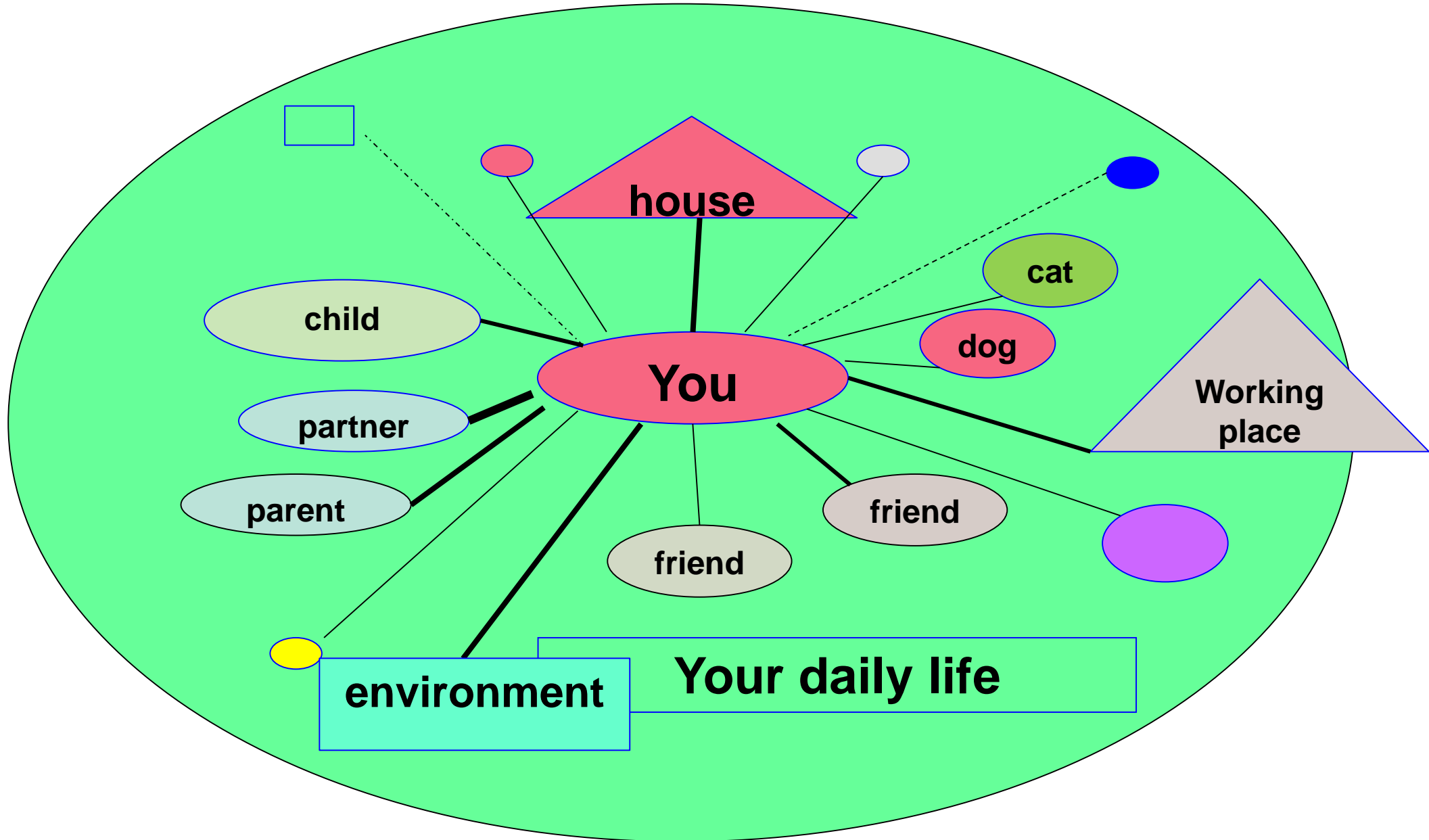


Solid science failed to be
communicated to the public,
especially those living in the
affected land

Ambient doses in Fukushima



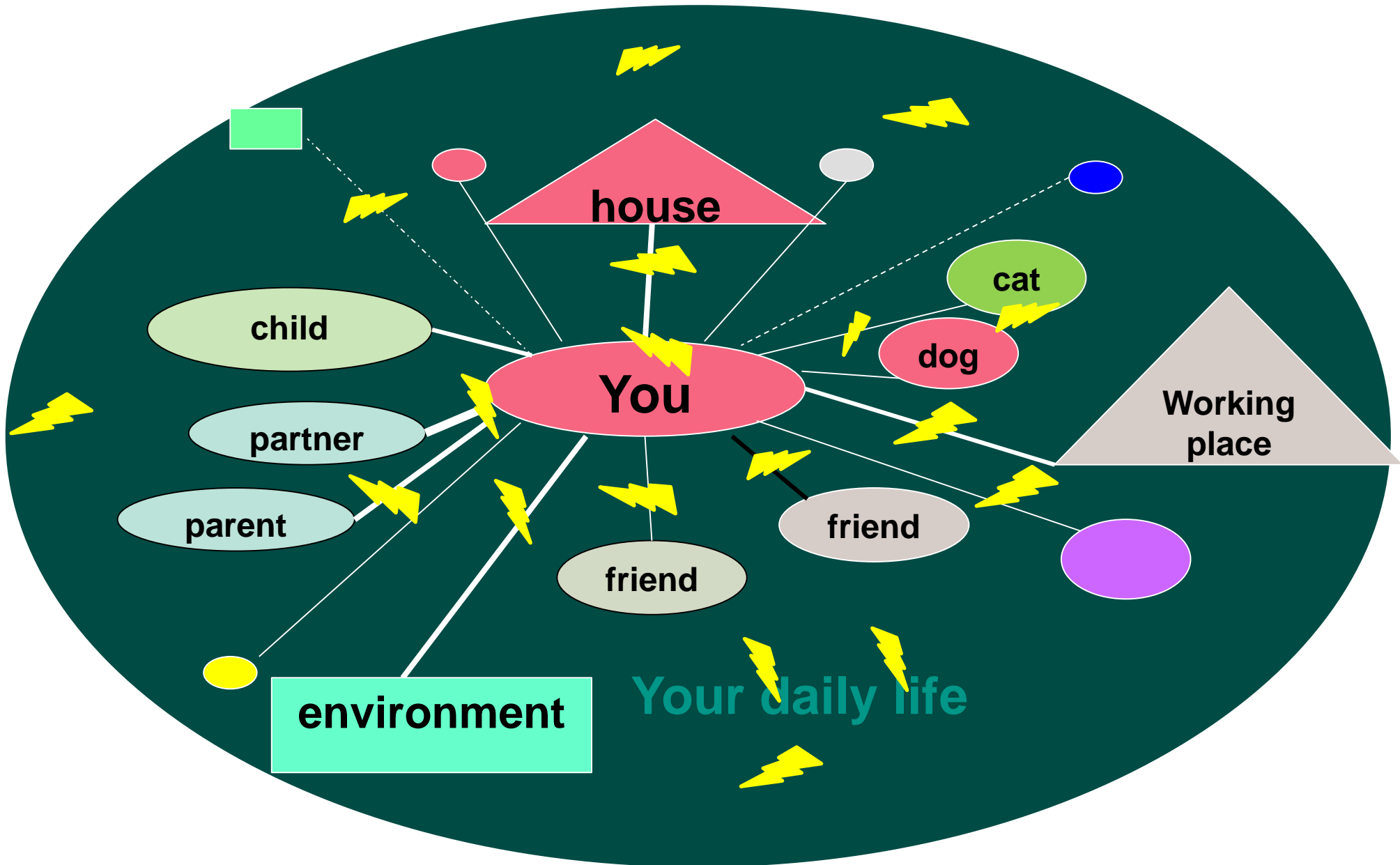
You are the player of your daily life



Spring in full bloom in Date city



No more with radiation: pride/confidence are at stake



Be aware!!

It is natural to have a gap between science and people

Scientists
seek for
- generic rules
with
- objective view

People
operate on
- individual rules
with
- subjective view

Authority
operates on
- generic rules
with
- objective view

The above differences have to be recognized
when trying to be of any help to people