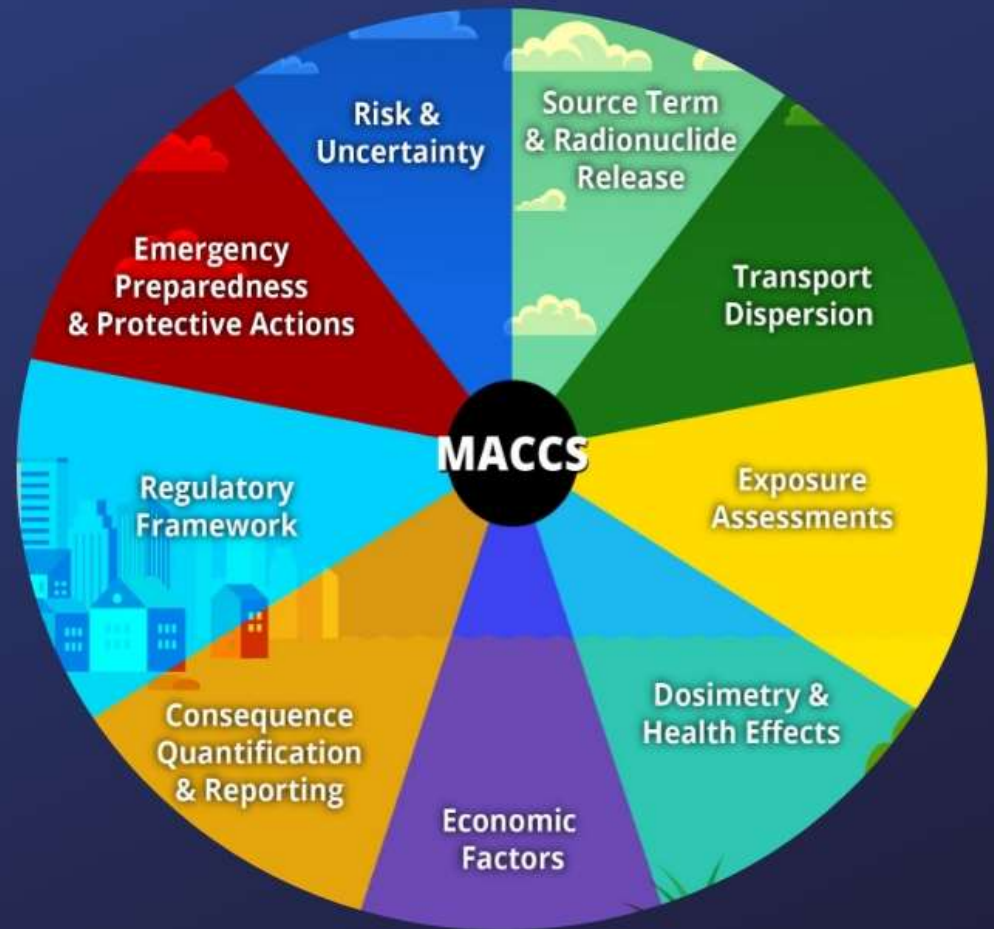




2021 International MACCS Users Group Meeting and Workshop

Luis Betancourt, P.E.

Chief, Accident Analysis Branch



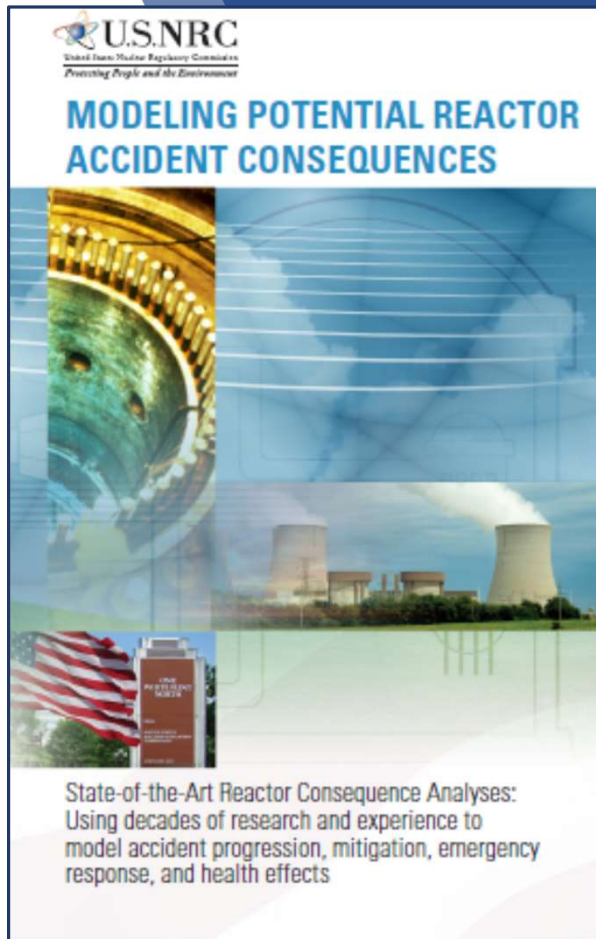
A person with curly hair is seen from behind, sitting at a desk in a control room or office. They are looking at several computer monitors. The monitors display various technical data, including a large 3D visualization of a reactor core or similar industrial structure. The person is wearing a dark shirt. The desk has a keyboard and a mouse. The background is dark, and the overall atmosphere is professional and technical.

MACCS Code In Action: Perspectives from the NRC's Office of Nuclear Reactor Regulation

Andrea Kock

**Deputy Office Director for Engineering,
Office of Nuclear Reactor Regulation, NRC**

Consequence Analysis is Essential for Good Nuclear Regulation



- Ensuring health objectives are met
- Backfit analyses (10 CFR 50.109)
- Regulatory cost-benefit analyses
- Environmental analyses (10 CFR 51.47, 52.47)
- Risk-informing emergency planning (10 CFR 50 App. E and 50.47)
- SOARCA (NUREG-1935) and Level-3 PRA

A photograph of a nuclear power plant at night, featuring a large cooling tower with steam rising from it, illuminated by lights. The plant is situated near a body of water, with its lights reflecting on the surface.

We Make **SAFE** Use of Nuclear Technology **POSSIBLE**

One
Unifying
Vision



Safety and
Security
Mission



Our
People



Principles of
Good
Regulation



NRC
Values



Technology
Innovation and
Transformation

International Collaboration Helps Advance Our Mutual Goals

