



# LESSONS LEARNT FROM THE DIALOGUE WITH CIVIL SOCIETY REGARDING THE 4TH PERIODIC SAFETY REVIEW OF FRENCH 900 MWE REACTORS



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## Context

# FUKUSHIMA ACCIDENT: A TREMENDOUS SHOT IN THE ARM FOR NUCLEAR SAFETY EXPERTS AND CIVIL SOCIETY

- ▶ A lot of questions about **safety raised** from **civil society** and **non-institutional experts**
- ▶ Need for access to a **complete and detailed** review of the risk of accident in **French nuclear facilities**
- ▶ **Several seminars and meetings** to brainstorm safety issues showed that **interactions benefited all stakeholders** (including experts) in reassessing safety measures



**DUE TO MAJOR CHALLENGES FOR THE FUTURE,  AND  WANTED TO PURSUE INTERACTIONS ALONG WITH THE EVALUATION PROCESS OF THE 4<sup>TH</sup> PERIODIC SAFETY REVIEW**

# An ongoing dialogue on the 4th periodic safety review

## TIMELINE OF THE TECHNICAL DIALOGUE BETWEEN STAKEHOLDERS

2013 ▶ 2014 ▶ 2015 ▶ 2016 ▶ 2017 ▶ 2018 ▶ 2019 ▶ 2020 ▶ 2021

2014 ⇨ 2016: FIVE MEETINGS DURING THE ORIENTATIONS OF THE SAFETY REVIEW

- ANCCLI-IRSN working group created with around 40 participants
- Objective : to help CLI and ANCCLI acquiring technical skills
- Outcome: ANCCLI developed its own view on sensitive issues

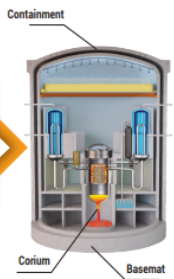


Illustration of a core melt accident with the corium flowing down and starting to interact with the basemat concrete.

OCTOBER 2016: DISSEMINATION SEMINAR TO INVOLVE MORE CLI MEMBERS

- Organised by ANCCLI, CLI of Tricastin, ASN and IRSN in Valence with around 145 participants
- Objective: to share an overview on technical issues and public participation
- Outcome: an opportunity for the CLI and ANCCLI to share opinions about their involvement in the process

2017 ⇨ 2018: THREE MEETINGS DURING THE EVALUATION PROCESS OF THE OPERATOR SAFETY CASE

- Organised by ANCCLI, ASN and IRSN with around 50 participants
- Objective: to gather questions on the review from civil society
- Outcome: questions raised on 3 specific issues

2018 ⇨ 2019: PUBLIC CONCERTATION PROCEDURE ON ARRANGEMENTS DEFINED BY EDF

- Organised by HCTISN, with ANCCLI, ASN, EDF and IRSN, with 8 local CLI
- Objective: to extend public involvement in the process to local population
- Outcome: better understanding of public concerns

2020 ⇨ 2021: NEW INTERACTIONS BY SEVERAL WEBINARS

- Organised by HCTISN, ANCCLI, ASN, IRSN
- Objective: ensure the continuity of exchanges and the accountability in the instruction process
- Outcome: further explanation of the results of evaluations realized



2013: EDF'S FILE OF ORIENTATIONS OF THE 4<sup>TH</sup> SAFETY REVIEW

2015: IRSN'S TECHNICAL ADVICE NOTICE ON ORIENTATIONS OF THE 4<sup>TH</sup> SAFETY REVIEW

JAN-FEB 2016: ASN PUBLIC CONSULTATION

2016: ASN'S DECISION ON ORIENTATIONS OF THE 4<sup>TH</sup> SAFETY REVIEW

2017-2020: IRSN'S EVALUATIONS OF SAFETY STUDIES, CONFORMITY AND AGEING CONTROL, SUFFICIENCY OF MODIFICATIONS PROPOSED BY EDF

- 40 TECHNICAL ADVICE NOTICES AND 1 OVERVIEW ADVICE NOTICE

2018: EDF'S FILE FOR RESPONSES ON OBJECTIVES FOR THE 4<sup>TH</sup> SAFETY REVIEW

DEC 2020-JAN 2021: ASN PUBLIC CONSULTATION

2021: ASN'S DECISION ON THE 4<sup>TH</sup> SAFETY REVIEW

# OBJECTIVES

- Allow CLI and ANCCLI to **follow-up and participate in the decision-making** process of this specific review with big issues and challenges
- Give access to documentation and expert assessments **as early as possible** to enable people to become involved
- **Give enough time for developing the skills** of civil society
- Involve **national and local stakeholders**
- **Gather concerns, expectations and questions** from interested people on safety issues in the review

## OUTCOME

- ➔ Additional and **relevant points of view and questions** from civil society
- ➔ Development of diversified medias : “**Frequently Asked Questions**”, **videos**, creating an **illustrated version of the technical advice notice**
- ➔ Inclusion of **answers** to interested people questions **into technical advice notices** for the authority
- ➔ Contribution to define what is at stake by **combining technical and societal approaches**
- ➔ **Accountability** in the way **experts have taken into consideration** concerns of civil so-ciety

# Lessons learnt from this technical dialogue (1/3)



## FAVORABLE CONTEXT

- ANCCLI-IRSN's partnership since 2003
  - a lot of initiatives to enhance skills of CLI members and to share expertise
- Aarhus convention & nuclear (ACN)
  - practical application of ACN recommendations formulated in 2012 in favour of access to expertise as early as possible
- Law evolutions
  - reinforcement of CLI and ANCCLI's role (2006 and 2015)
  - publication of IRSN's technical advices (2015)
  - public inquiry for safety reviews of reactors after 35 years of operation
- Detection of anomalies or non-compliance with safety requirements

# Lessons learnt from this technical dialogue (2/3)

## STRONG POINTS

- Creation of a place of trust between actors over the long term
- Pluralism of interactions : different points of view expressed
  - not only operator, public experts and authority
  - but also civil society and non-institutional experts
- Mutual skills enhancement of civil society and experts
  - facilitate the development of technical skills within the civil society
  - enhance expertise of IRSN through the integration of stakeholders points of views, expectations and constraints
- Modification of the way to conduct the expertise
  - traceability of the consideration of questions and accountability

# Lessons learnt from this technical dialogue (3/3)



## VIGILANCE POINTS

- Maintaining the dialogue
  - over time
  - in the different territories concerned, with local actors
- Ensure the sustainability of the civil society engagement in expertise for other issues
- Question of time and availability for both experts and stakeholders
- Adapt technical dialogue process to different public and wider audience