First Meeting of the Technical Working Group on Small and Medium Sized or Modular Reactor (TWG-SMR)
IAEA Headquarters, Vienna International Centre, M5
23 – 26 April 2018

OUTLINE

Scientific Secretary:
Hadid Subki
Team Leader, SMR Technology Development
Nuclear Power Technology Development Section
Division of Nuclear Power, Department of Nuclear Energy
Purpose and Functions

• Provide advice, recommendations and support to the IAEA programmatic planning and implementation in areas related to technology development, design, deployment and economics of SMRs;

• Provide a forum for information and knowledge sharing on national and international programmes in the area of SMR technology development, deployment and human capacity building;

• Identify important topics for discussion by the Standing Advisory Group on Nuclear Energy (SAGNE); and

• Develop synergies and complementarities with other in-house IAEA programmes in cross-cutting subjects, as well as with related activities of other international organizations.
14 Members of TWG-SMR

<table>
<thead>
<tr>
<th>No.</th>
<th>Countries</th>
<th>Designated Member</th>
<th>Affiliation</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Argentina</td>
<td>Mr. Dario DELMASTRO</td>
<td>CNEA (Comisión Nacional de Energía Atómica)</td>
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<td>2</td>
<td>Australia</td>
<td>Mr. Mark HO</td>
<td>ANSTO (Australian Nuclear Science and Technology Organisation)</td>
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<td>3</td>
<td>China</td>
<td>Ms. Jiejuan TONG</td>
<td>Tsinghua University, Institute of Nuclear Energy Technology</td>
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<td>4</td>
<td>France</td>
<td>Mr. Jacques CHENAS</td>
<td>CEA (Commissariat à l’énergie atomique et aux énergies alternatives)</td>
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<td>5</td>
<td>India</td>
<td>Mr. Ananta BORGOHAIN</td>
<td>BARC (Bhabha Atomic Research Centre)</td>
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<td>6</td>
<td>Indonesia</td>
<td>Mr. Djarot WISNUBROTO</td>
<td>BATAN (National Nuclear Energy Agency of Indonesia)</td>
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<td>7</td>
<td>Iran</td>
<td>Mr. Reza SAYYAREH</td>
<td>AEOI (Atomic Energy Organization of Iran)</td>
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<td>8</td>
<td>Italy</td>
<td>Mr. Marco RICOTTI</td>
<td>Politecnico di Milano</td>
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<td>9</td>
<td>Jordan</td>
<td>Mr. Kamal ARAJ</td>
<td>JAEC (Jordan Atomic Energy Commission)</td>
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<td>10</td>
<td>Republic of Korea</td>
<td>Mr. Keung-Koo KIM</td>
<td>KAERI (Korea Atomic Energy Research Institute)</td>
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<tr>
<td>11</td>
<td>Pakistan</td>
<td>Mr. Syed BANOORI</td>
<td>PAEC (Pakistan Atomic Energy Commission)</td>
</tr>
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<td>12</td>
<td>Russian Federation</td>
<td>Mr. Konstantin VESHNYAKOV</td>
<td>ROSATOM OKBM Afrikantov</td>
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<td>13</td>
<td>United Kingdom</td>
<td>Mr. Daniel MATHERS</td>
<td>BEIS (Department of Business, Energy &amp; Industrial Strategy)</td>
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<td>14</td>
<td>United States</td>
<td>Mr. Timothy BEVILLE</td>
<td>DOE (Department of Energy)</td>
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- Some Member Countries include Nominated Observers
- More countries will designate Member in 2018
Invited Observers to the TWG-SMR

International Organizations:
• European Commission
• OECD – Nuclear Energy Agency
Chairmanship 2018 – 2021

• ITALY, Politecnico di Milano:
  – Marco E. Ricotti, Prof., PhD, Ing.
    Department of Energy, CeSNEF-Nuclear Engineering Division
    via La Masa, 34, 20156 Milano, Italy
    marco.ricotti@polimi.it
    Tel: +39 02 2399 6325 (fax: 8566)
    www.nuclearenergy.polimi.it

• Tasks:
  – Lead the TWG-SMR Member Countries to determine a method of work, including preparation of its Agenda, establishment of special groups, keeping of records and other procedures – with support from the Scientific Secretary;
  – Chair annual TWG-SMR Meeting and to report on its findings to SAGNE and to the Deputy Director General, Head of the Department of Nuclear Energy; and
  – Communicate to SAGNE the recommendations for strategic development or other important topics to be discussed at SAGNE meetings.
Establishing Special Group

Topical Panel 1
Chair: Mr. Kamal ARAJ (JAEC)
Development of Generic Technical Requirements for User Countries

Topical Panel 2
Chair: Mr. Jacques CHENAIS (CEA)
Research, Technology Development and Innovation; Codes and Standards

Topical Panel 3
Chair: Mr. Dario DELMASTRO (CNEA)
Industrialization, design engineering, testing, manufacturing, supply chain, and construction technology

Rotational Policy recommended on Topical Panel chairmanship: Different Member countries to Chair for different years
Meeting Features

• 34 Nominated Participants from 14 Member States and 2 International Organizations
• 25 Technical Presentations in 4-days:
  – 6 IAEA presentations from the Department of Nuclear Safety & Security and Department of Nuclear Energy
  – 1 presentation from observer, OECD-NEA.
  – **Topical Panel Discussions:** The Chairs of the 3 Topical Panels to Assemble their Members on **Tuesday afternoon** to determine approach for presentation;
  – Presentations to report the results of Topical Panel Discussion
• GROUP PICTURE at 10:30, outside in the Plaza
• Hospitality at 18:00 in M0E Hall
• 25 – 26 April, meeting held in **C4**
Thank you!

For inquiries on SMR, please contact:
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