FNCA
Forum for Nuclear Cooperation in Asia

17th FNCA Ministerial Level Meeting

Tokyo, 30th November 2016

COUNTRY REPORT OF VIETNAM

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OUTLINE

1. **Overview of the policy on atomic energy**
2. **Policies and current status on nuclear power**
3. **Policies on nuclear sciences and applications**
   - *3.1. Human Health*
   - *3.2. Agriculture*
   - *3.3. Radiation Applications*
   - *3.4. Industry*
4. **Stakeholder Involvement**
5. **Conclusion**

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1. Overview of the policy on atomic energy

1

The Prime Minister approved of the Strategy for Peaceful Uses of Atomic Energy up to 2020 on 3th January 2006

2

In 2010, the Prime Minister approved of the Master Planning for peaceful development and utilization of atomic energy up to 2020

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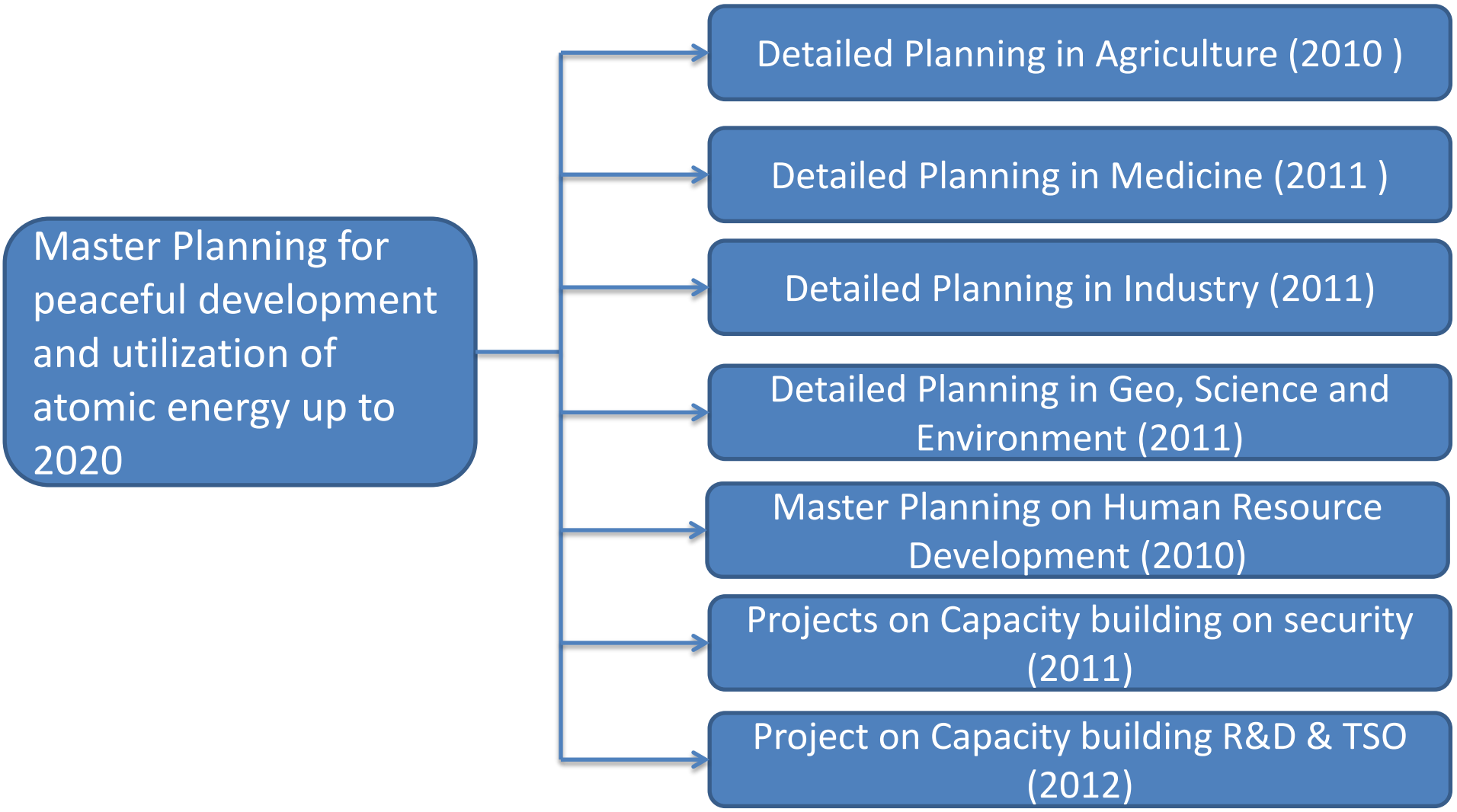
1. Overview of the policy on atomic energy



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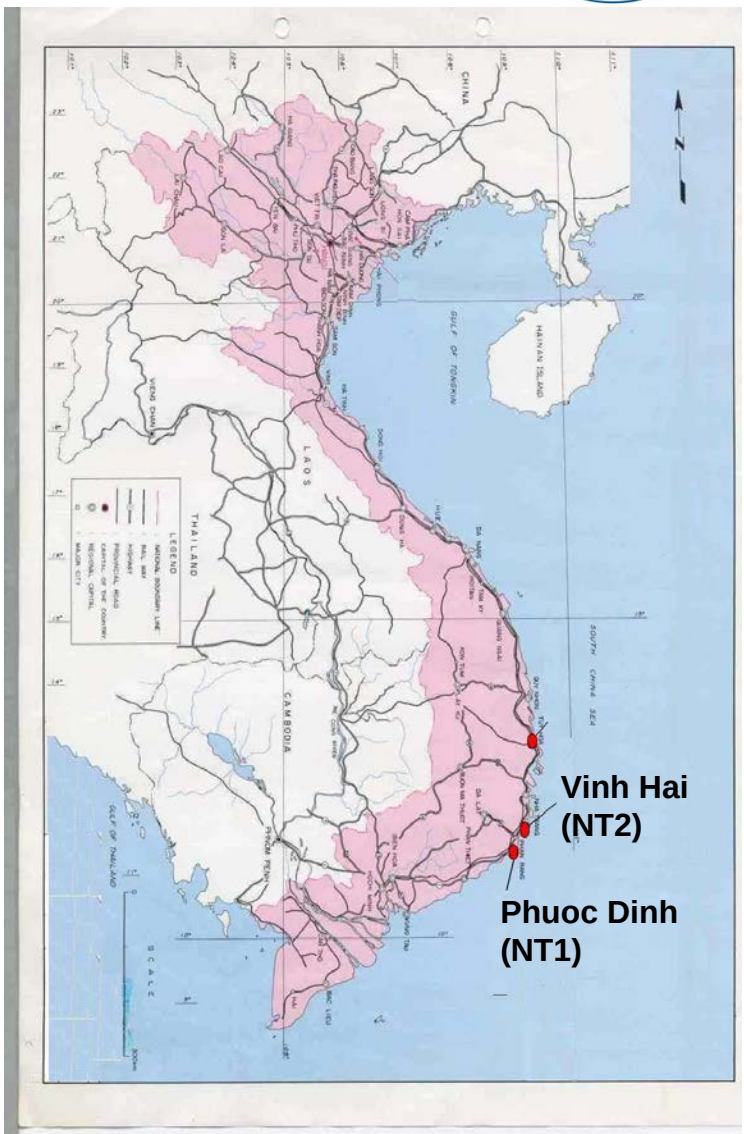
2. Policies and current status on nuclear power

The national policy makers have submitted the Congress the designation of ***stopping*** the construction of Ninh Thuan nuclear power plants on November 2016

Main Reasons:

- The anxiety of the citizens about the safety of nuclear power plants
- Potential security problems in the area
- Problems involving the safety of public debt



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3. Policies on nuclear applications

3.1. Human Health

- In 2011, the Government approved the Master Plan for the Development of Ionizing Radiation in Health Care until 2020
- Viet Nam has nearly 60 nuclear medicine and radiotherapy departments, with nearly 100 nuclear medicine imaging and radiotherapy machines.
- Vietnam has 10 centers cyclotron and PET/CT include 108 Central Hospital, Bach Mai Hospital, Viet Duc Hospital, Hanoi Irradiation Centre, Institute for Nuclear Science and Technology, …

3. Policies on nuclear applications (Cont)

3.2. Agriculture

The Government approved a national programme for the application of nuclear techniques in agriculture in 2010

Strategic objective

- Promoting the establishment of the Center for Plant Mutation Breeding
- Equipping biotechnology laboratories for mutation breeding capabilities to develop high yielding, high quality
- Establish research centers dedicated to she application of irradiation techniques for plant protection

3. Policies on nuclear applications (Cont)

3.3. Radiation Applications

Master Plan on Application Development of Ionizing Radiation

- Establishing nuclear agriculture centers
- Application of advanced diagnostic techniques for animal disease diagnosis
- Establishing irradiation facilities to ensure food hygiene and food safety
- Application of irradiation technology for sterilization of healthcare products and material modification used in industry

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3. Policies on nuclear applications (Cont)

3.4. Industry

The policy of Viet Nam in the field of atomic High priority should be given to developing the application of irradiation technologies including gamma, electron beam and X-ray technologies, to enhance capabilities to monitor and evaluate the structural integrity of materials used in industries.

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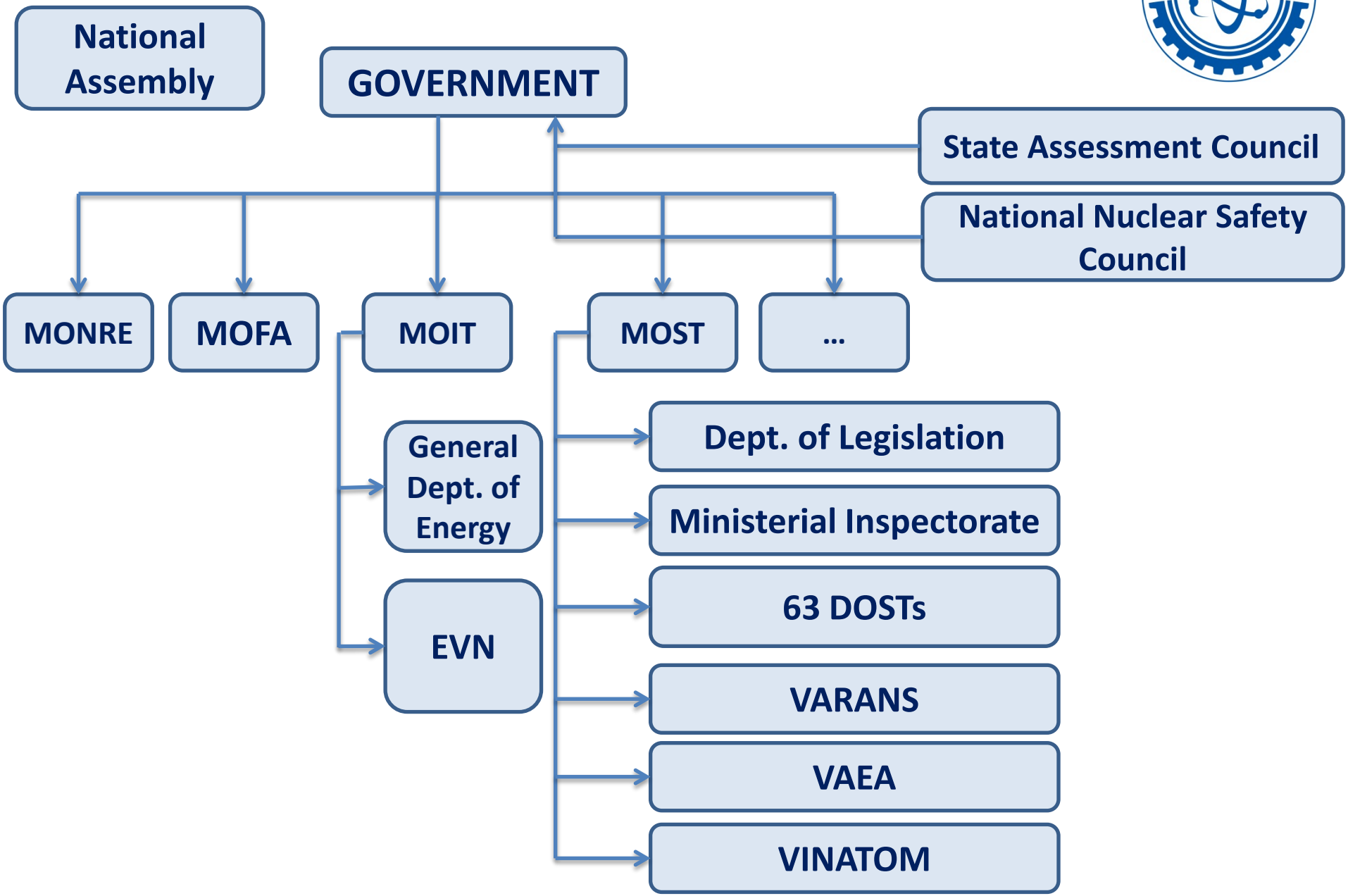
4. Main Stakeholder Involvement



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CONCLUSION

1. The policies and laws of Vietnam in this field are quite complete, harmonious to the international law and the recommendations of IAEA.
2. Radiation technology has been studied and applied widely and effectively in different fields, making substantial contributions to social and economic development of the country and improvement of the people's living standard.
3. Viet Nam attaches great importance to the role of radiation science and technology toward sustainable development. We desire to strengthen cooperation with FNCA in peaceful use of nuclear energy while implementing the Strategic Orientation for Viet Nam's sustainable development – the Vietnam's agenda 21.

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BỘ KHOA HỌC VÀ CÔNG NGHỆ

THANK YOU
FOR
YOUR ATTENTION !