



COUNTRY REPORT: VIETNAM

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Vice President

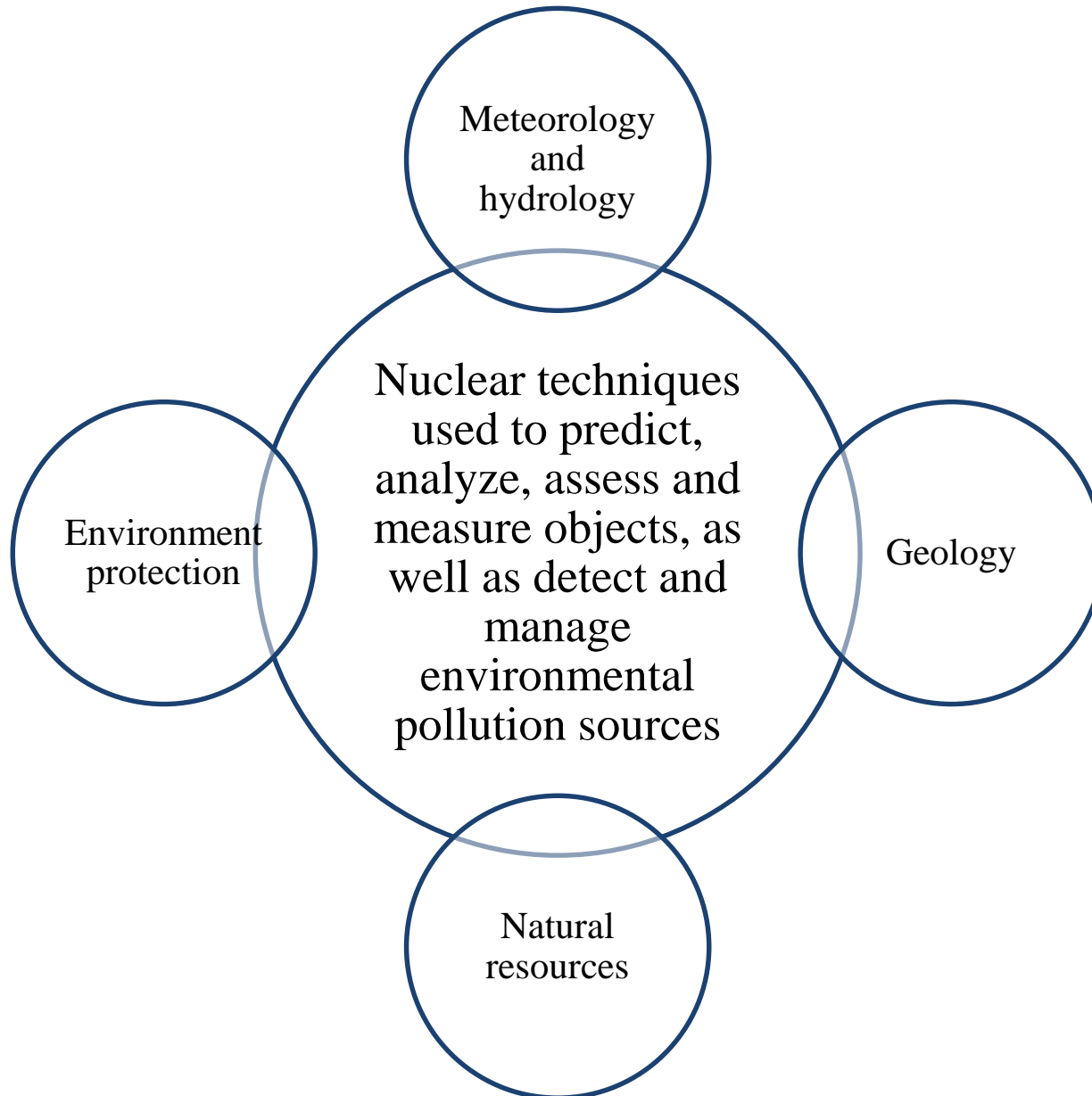
Vietnam Atomic Energy Institute (VINATOM)

FNCA 18th Minister-Level Meeting
Astana, October 11th, 2017

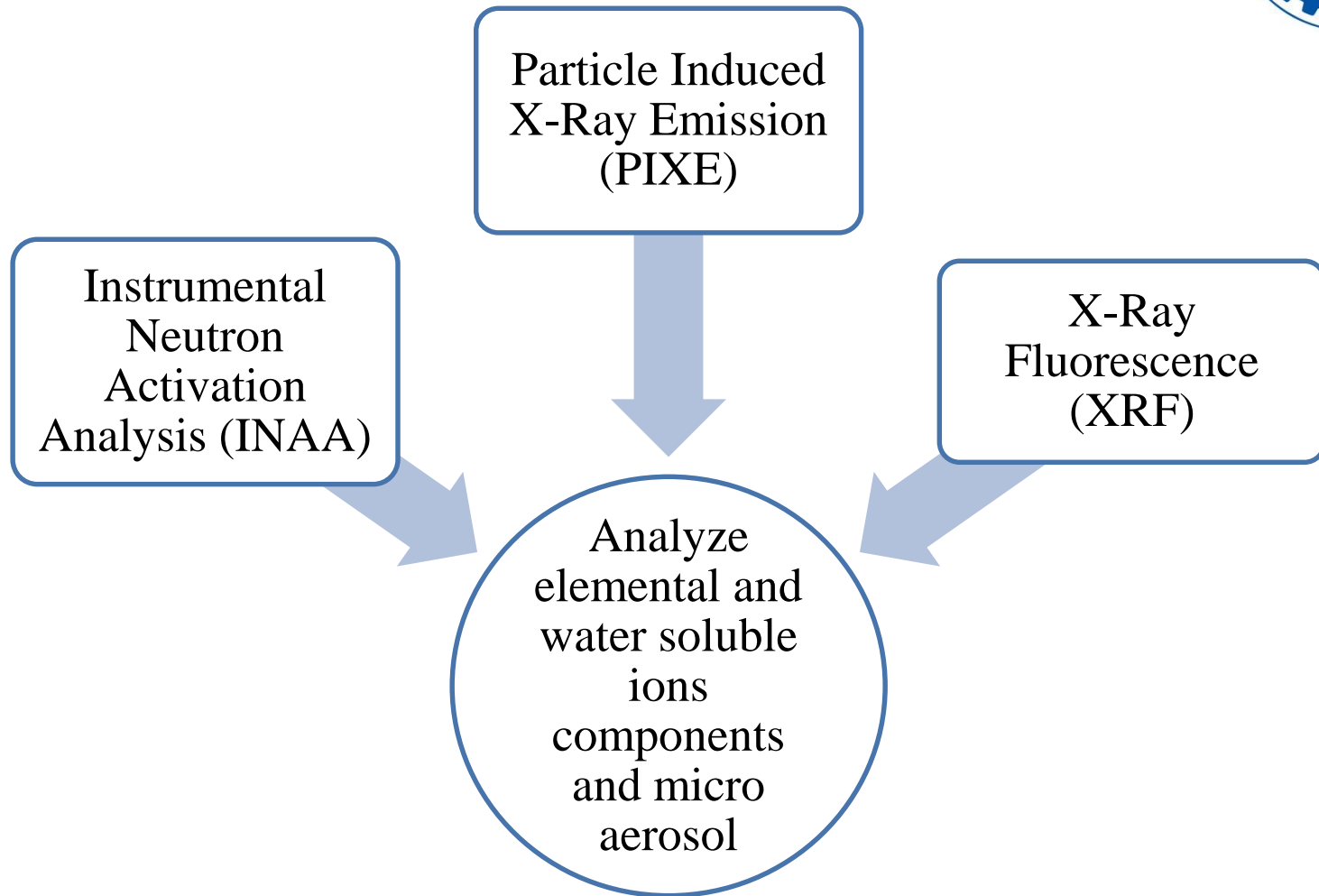


1. Introduction
2. Application of Nuclear Techniques in Air Pollution Study
3. Application of Nuclear Science and Technology in
Monitoring Marine Environment
4. Application of Nuclear Science and Technology in
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5. Conclusion

1. INTRODUCTION



2. APPLICATION OF NUCLEAR TECHNIQUES IN AIR POLLUTION STUDY



Methods used to observe elements of air in different cities north of Vietnam

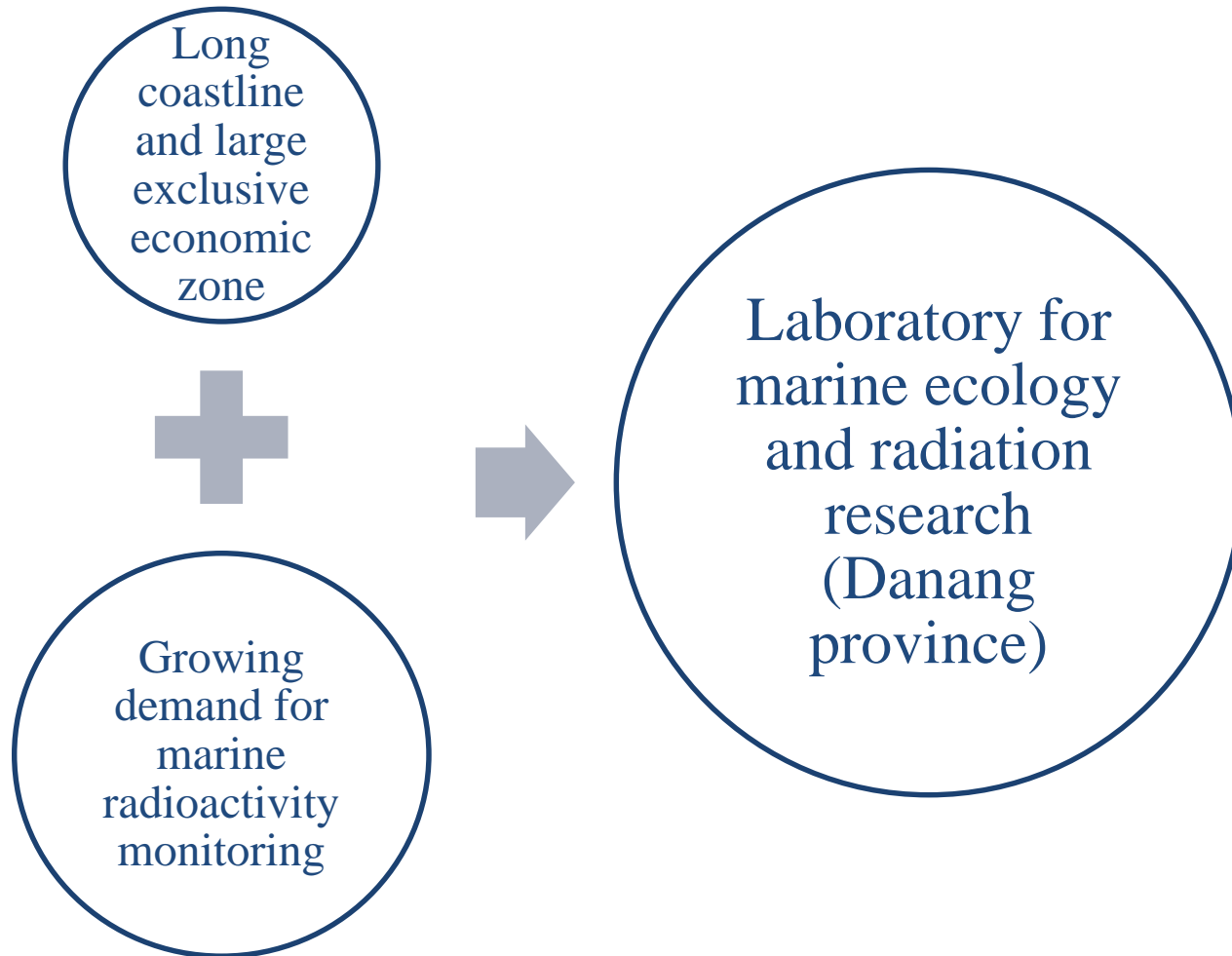
2. APPLICATION OF NUCLEAR TECHNIQUES IN AIR POLLUTION STUDY (cont.)



A specialized network of monitoring and warning of environmental radioactivity is constructed to supervise and discover any unusual concentration of radioactivity in the atmosphere. This network is responsible for discovering radioactive spreading, especially in cases of accident, as neighboring countries are planning on new nuclear power plants.



3. APPLICATION OF NUCLEAR SCIENCE AND TECHNOLOGY IN MONITORING MARINE ENVIRONMENT



4. APPLICATION OF NUCLEAR SCIENCE AND TECHNOLOGY IN PROTECTION OF LAND



Soil erosion causes

Natural sloping level

Climate (High precipitation, climate change effect)

Old-fashioned agricultural practice that consumes an excessive amount of water



4. APPLICATION OF NUCLEAR SCIENCE AND TECHNOLOGY IN PROTECTION OF LAND (cont.)



Nuclear technique: Using isotopes Cs-137 and Be-7 to:

- Monitor the speed of erosion, and
 - Explore the hot spots of soil degrading
- Short term and long term forecast.

Result: Erosion rate decreased by 45% in studied areas



5. CONCLUSION



- Undeniable achievements in applying nuclear science and technology in protection of environment and ecology
- Aspiration to improve capability of applying nuclear science and technology in other environmental concerns



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YOUR ATTENTION**