

1. Personal information

Name			
Mengting Zhang			
Company	Country	Email address	Telephone
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2. Describe your relevant background, experiences, skills and expertises. What can you bring to a NKS project?

Please give a short and general description here (max 30 lines)

7 years expertise in the field of Radioanalytical Chemistry, Radioecology and Tracer Studies as well as Speciation analysis with research focuses on:

- 1) Method development for determination of artificial radionuclides (^{36}Cl , ^{129}I , ^{137}Cs , ^{239}Pu , ^{240}Pu) in environment and biological assays using ICP-MS and AMS
- 2) Speciation analysis for anthropogenic radionuclide (^{129}I) and trace element (^{127}I) in natural waters.
- 3) Water mass movement, ocean current circulation, changes in marine redox environment using ^{127}I , ^{129}I , ^{236}U , ^{239}Pu and ^{240}Pu .
- 4) Migration and transformation of (^{137}Cs , ^{239}Pu , ^{240}Pu) in seawater, sediment and marine organism.

3. Describe your specific interests and wishes regarding collaboration. How would you like to be involved in a NKS project? Which types of projects could have your interest?

Please give a short and general description here (max 30 lines)

- 1) Development of novel analytical methods for artificial radionuclides in nuclear waste or environment samples.
- 2) Construction of multi-isotope tracer systems for oceanographic process and global climate change analysis.
- 3) Mechanisms of radionuclide migration and transformation in marine biogeochemical cycles