

**TR-10-11 Environmental Management for Refineries**  
**September 20 – October 7, 2011**

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**Lecturer: Bunsuke Kariya**

**Content:** Petroleum Industry in Japan;  
Overview of Environmental Pollution Control in Japan and Japanese Industry;  
Global Warming Countermeasures;  
Measures for Controlling Global Warming Management;  
Waste Water Control and Soil Remediation in the Refinery;  
Air Pollution Control in Refineries;  
Case Study and Action Plan by each participant

**Site visits:** Water Plaza Kita-Kyushu (Kita-Kyushu City);  
Cosmo Oil Co., Ltd. (Sakaide Refinery);  
JX Nippon Oil & Energy Co., Ltd. (Marifu Refinery);  
Shimadzu Corporation (Kyoto Sanjo Factory);  
Research Institute of Innovative Technology for the Earth (Kyoto)

**Countries:** China, Colombia, Timor-Leste, Indonesia, Iraq, Kuwait, Nigeria, Pakistan, Saudi Arabia, Sudan, Thailand, UAE, Vietnam



*<13 countries / 20 participants>*