PI RURAL Groundwater Policy Dialogue

Water Saving Groundwater Quantity Management Seminar
back-to-back with
University of Jinan 2019 International Groundwater Symposium

Jinan 27 June – 01 July 2019

An opportunity to share 2 days of international and Chinese knowledge exchange on groundwater management that aim to develop a program of measures and resulting groundwater saving policy recommendations to regulate and restore depleted groundwater aquifers with focus on the North China Plain.

Thu 27 June  Arrival in Jinan

Fri 28 June  University of Jinan 2019 International Groundwater Symposium
AM: Opening and key note speeches (International)
PM: Presentations mainly by invited Chinese experts

Sat 29 June  PI RURAL Groundwater Policy Dialogue Seminar
AM: Session 1 – Policy
PM: Session 2&3 – Technological and Social Measures
PM: Visit to Jinan Springs
PM: PI RURAL Dinner

Sun 30 June  Site visit to Dezhou County on North China Plain
(Optional: Departure from Dezhou to Beijing for evening flights)

Mon 01 July  AM: Wrap up with Water Research Institute of Shandong Province
PM: Feed-back to Shandong Department of Water Resources
### MORNING PROGRAM
(Simultaneous Translation)

**PI RURAL PROPOSES THE FOLLOWING OPENING AND KEY NOTE SPEECHES**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>MORNING</td>
<td>&quot;Managing over-pumped aquifers - a road to sustainable water use&quot;</td>
<td>Professor Wolfgang KINZELBACH ETH Zürich</td>
</tr>
<tr>
<td></td>
<td>Case study: Guantao County – Hebei Province</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Geophysical and geochemical optimisation of Managed Aquifer Recharge</td>
<td>Dr Denys Grombacher Aarhus University and Professor Jens AAMAND Geological Survey of Denmark and Greenland</td>
</tr>
<tr>
<td></td>
<td>Road to Recovery Action Plan for Groundwater Resources Recovery</td>
<td>Mr Lars Skov ANDERSEN China Resources Management PI Rural WP2 Coordinator</td>
</tr>
</tbody>
</table>

**AFTERNOON PROGRAM**
(Simultaneous Translation)

**BEING PREPARED BY UNIVERSITY OF JINAN**
Saturday 29 June
PI RURAL Groundwater Policy Seminar

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MORNING PROGRAM</strong></td>
<td>(Simultaneous translation or English only)</td>
<td></td>
</tr>
<tr>
<td><strong>Chairs:</strong></td>
<td>Professor Wang Weiping, University of Jinan</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ms. WANG Liyan, Senior Climate Change and Environment Advisor, Swiss Development &amp; Cooperation, Embassy of Switzerland, Beijing</td>
<td></td>
</tr>
<tr>
<td><strong>SESSION 1</strong></td>
<td><strong>POLICY</strong></td>
<td></td>
</tr>
</tbody>
</table>
| 09:00 – 09:15  | Welcome Speeches                                                    | **Mr Bjørn Kaare Jensen**  
PI RURAL Program Manager  
and  
**Professor LI Fulin**  
Principal PI RURAL partner |                                                                         |
| 09:15 – 09:30  | MWR Policies on Groundwater Demand Management                      | **NN**  
MWR International Economic and Technical Cooperation Exchange Centre (IETCEC) |                                                                         |
| 09:30 – 09:50  | Water pricing policy for Shandong Province                          | **Professor LI Fulin**  
Water Research Institute of Shandong Province |                                                                         |
| 09:50 – 10:10  | Impact of water on economy and investors                           | **Dr Xu Yuanchao**  
China Water Risk |                                                                         |
| 10:10 – 10:30  | Water Saving by Resource and Supply Demand Management – 30 years’ history of Denmark | **Mr Bjørn Kaare Jensen**  
Chief Adviser, GEUS |                                                                         |
| 10:30 – 10:50  | **Morning Tea and Coffee**                                          |                                                                          |
| 10:50 – 11:10  | “New Integrated Measures for Governing Groundwater Overdraft and Logic of Water Pricing Policy” | **Dr SUN Tianhe**  
Hebei University of Economics and Business |                                                                         |
| 11:10 – 11:30  | A Red-line Based Decision Support System for Groundwater Management in Guantao, North China Plain | **Dr Yu Li**  
ETH Zürich |                                                                         |
| 11:30 – 11:50  | Hydro-Economic Modelling of Water Saving and Allocation Policies on the North China Plain | **Dr Grith Martinsen**  
Sino-Danish Centre at GUCAS and Technical University of Denmark |                                                                         |
| 11:50 – 12:10  | Optimising Water Saving Policy using Quantity and Price Control Mechanisms | **Dr Zhong Shuai**  
Institute of Geographic Sciences and Natural Resources Research |                                                                         |
| 12:10 – 12:25  | Discussion                                                           |                                                                          |
| 12:25 – 12:30  | Wrap-up of morning sessions                                        | **Chairs**                                                              |
### AFTERNOON PROGRAM

(Simultaneous translation or English only)

**Chairs:**
- Professor Li Fulin, Deputy Director General, Water Research Institute of Shandong Province
- Mr Bjørn Kaare Jensen, Chief Adviser, Geological Survey of Denmark and Greenland (GEUS), PI RURAL Program Director

#### SESSION 2
**TECHNOLOGICAL MEASURES**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
</table>
| 13:30 – 13:50 | New geophysical tools for survey and assessment of groundwater resources – SkyTEM and Apsu | Dr Denys Grombacher  
Water Technology Centre, Aarhus University                                             |
| 13:50 – 14:10 | Managed Aquifer Recharge for Irrigation in the Yellow River Floodplain Area | Professor Wang Weiping  
School of Water Conservancy and Environment, University of Jinan                        |
| 14:10 – 14:30 | Managed Aquifer Recharge                                               | Dr Jens Aamand  
Geological Survey of Denmark and Greenland                                                 |
| 14:30 – 14:40 | Pick up afternoon Tea and Coffee                                       |                                                                                             |

#### SESSION 3
**SOCIAL BEHAVIOURAL MEASURES**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
</table>
| 14:40 – 15:00 | Groundwater Data Management  
The MWR – MEE Joint Groundwater Data Management Centre | Dr Yin Xiulan  
China Institute of Geo-Environmental Monitoring                                         |
| 15:00 – 15:20 | Village-level monitoring and management of groundwater resources      | Professor Wolfgang Kinzelbach  
ETH Zürich                                                                                  |
| 15:20 – 15:40 | Evaluation of water-saving reform projects in the Hetao Irrigation District, Yellow River Basin | Dr Yao Jingwei  
Yellow River Institute of Hydraulic Research                                                |
| Optional   | The Water Game                                                        | Dr Yu Li  
ETH Zürich                                                                                  |

#### CLOSURE

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:40 – 16:00</td>
<td>Summary</td>
<td>Chairs</td>
</tr>
<tr>
<td>16:00 – 18:30</td>
<td>Site visit to Jinan Karst Springs</td>
<td></td>
</tr>
<tr>
<td>19:00</td>
<td>PI RURAL Dinner</td>
<td></td>
</tr>
</tbody>
</table>

In coffee room TV will run the ½ hour YiXi talk by Professor Wolfgang Kinzelbach.
[https://v.qq.com/x/page/c0640zi27jf.html](https://v.qq.com/x/page/c0640zi27jf.html)

- and a laptop will be set up with the Water Game
[https://savethewater-game.com](https://savethewater-game.com)
Sunday 30 June
Knowledge Exchange with county government staff
(Consecutive translation)

Visit to Dezhou County on the North China Plain to learn main groundwater saving challenges at county level (Tentative)

To be arranged by Water Research Institute of Shandong Province

Monday 1 July
Wrap-up (Optional for PI RURAL Experts)

Wrap-up at Water Research Institute of Shandong Province

Feed-back to Shandong Department of Water Resources (Optional)

To be arranged by Water Research Institute of Shandong Province.