The German-Arab Environment Forum

Concerted Action for Sustainable Green Growth

September 9th – 11th, 2013

Amman Chamber of Commerce and Aqaba
Hashemite Kingdom of Jordan
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Words of Welcome
His Royal Highness, Prince
El Hassan Bin Talal of Jordan

*Concerted action for green growth*

Mankind is at a critical juncture. Without major and lasting change in our economies, and the political systems that underpin them, we will fail to create abundant and sustainable lives for our children and grandchildren. Indeed, environmental concerns are, in some parts of the world, incorporated ever more greatly into decision-making across government and business. Whole industries, whose success would have been unthinkable twenty years ago, have become the major drivers of recent economic growth. Renewable energy, recycling waste and efficient water management have become the darlings of the global economy, and central to the recovery of many countries from the recent worldwide recession.

In the great upheavals that have swept through our West Asia and North Africa region, we should all strive to build a new political, social and economic Arab renaissance that places environmental concerns at its heart. As our countries undergo substantial transformation, what I have termed *good governance - social responsibility*, which brings together environmental and human concerns, should be our guiding principle.

Politicians and businessmen across our region should look to the German example as a template for sustainable economic development. A leader in environmental and clean energy technologies, for Germany, there can be no growth if it is not green. Likewise, for German businesses, West Asia – North Africa is a promising market and presents many exciting opportunities.

As we move forward, we must weave ideas of sustainable development and green growth throughout everything that we do, placing education at the fore – especially in our institutions of higher learning. While universities across the region must increase both their quality and accessibility, they must also work more closely with industry to create sustainable, lasting solutions to the collective problems we face.

Environment and education have long been close to my heart, and as such, it gives me great pleasure to address you as patron of the Second Arab-German Environment Forum, which is part of year-long cooperation between the Euro-Mediterranean Association for Cooperation and Development and Jordan.

I wish you fruitful discussions.

H.R.H. Prince Hassan bin Talal, Honorary President, EMA e.V.

Amman, September 9th 2013
EMA e.V.  
Adelheid Sailer-Schuster

Honored guests and participants

On behalf of the EMA it is my pleasure to welcome you to the German-Arab Environment Forum in Amman.

Considering that the EMA has celebrated her 5th anniversary this year, staging this high-profile German-Arab Environment Forum with her Honorary President Prince Hassan bin Talal, truly rewards her efforts to foster the cooperation between Germany and the EMA region, as well as her and contribution and dedication towards sustainable economic development cooperation.

The EMA is convinced that the Euro-Mediterranean cooperation needs to promote extensive concerted action. Especially today, such cooperation deems more important than ever. Yet concerted action can only be effective when sustainable progress is obtained in all dimensions interdependently and equally links economy with education, science and politics.

In all areas, Germany can offer the relevant expertise, know-how and professionalism and significantly excels in the cooperation and economic development within the EMA region and enjoys an outstanding reputation in all areas of sustainable environmental management worldwide.

Jordan’s central location in the Middle East, the stable political situation, the good relations to its neighbors and Europe as well as its cultural heritage make it interesting for entrepreneurs and investors from foreign countries. The Kingdom focuses particularly on innovative solutions energy production involving high potential for market expansion in the field of renewable energies, specifically in wind and solar energy.

With this year's “German-Arab Environment Forum” the EMA once again builds on the promising development of the environmental technologies sector in the whole EMA region.

Therefore, it is my delight to welcome international decision-makers and actors from environmental politics, science and economy, gathering to discuss about investment and development opportunities for all partner countries.

Yours sincerely

Adelheid Sailer-Schuster, President, EMA e.V.

Amman, September 9th 2013
Amman Chamber of Commerce
H.E. Senator Riad Al-Saifi

Honored guests and participants

The Amman Chamber of Commerce is pleased and honored to be one of the organizers and sponsors of the German-Arab Environmental Forum which is being held under the patronage of His Royal Highness Prince Al Hassan Ben Talal, Chairman of the Higher Council for Science and Technology, and Honorary President of the Euro-Mediterranean Association for Cooperation and Development (EMA e.V.).

Due to its continued interest in following up on the local, regional and international developments in the various economic, social and environmental fields, the Amman Chamber of Commerce is furthermore consistent with its ongoing role in lending support and acting as the driving force to economic growth in different fields and prospects available. Therefore, the Amman Chamber of Commerce in co-organizing and sponsoring this high-class Forum is based on its particular interest in the major topics treated (energy, environment, and water), some of Jordanian national strategic components and priorities of great interest to the different official and national authorities in the Kingdom.

Considered one of the major and oldest service institutions of public interest, the Amman Chamber of Commerce was established in 1923 and incorporates more than forty thousand trade and service companies with capitals amounting to JD 42.5 billion. The Chamber therefore plays an important role in the socioeconomic progress and prosperity in light of the important trade and service sector which it represents including its different fields and activities. Besides, it has a wide network of bilateral, regional and international cooperation ties which the Chamber seeks to expand in various possible means and methods.

It is hoped that this conference and all the participants will be quite successful and will achieve the desired success. We also would like to express our gratitude and appreciation for the intensive efforts that both of the Higher Council for Science and Technology and the Euro-Mediterranean Association For Cooperation and Development (EMA) have exerted for making of this Forum a reality.

H.E. Senator Riad Al-Saifi, President, Amman Chamber of Commerce, EMA – Advisory Board

Amman, September 9th 2013
Programme
## DAY 1, Monday, September 9th 2013, Amman

### Concerted Action for Sustainable Green Growth – Amman Chamber of Commerce

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9.00-10.00 am</td>
<td>Registration</td>
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<tr>
<td>10.00-12.00 am</td>
<td><strong>Opening Ceremony and Keynotes</strong>&lt;br&gt;<strong>Words of Welcome</strong>&lt;br&gt;– H.E. Senator Riad Al-Saifi, President, Amman Chamber of Commerce, Hashemite Kingdom of Jordan&lt;br&gt;– Adelheid Sailer-Schuster, President EMA e.V., Germany&lt;br&gt;– H.E. Ralph Tarraf, Ambassador, German Embassy Amman, Hashemite Kingdom of Jordan&lt;br&gt;<strong>Opening Keynotes</strong>&lt;br&gt;– Najib Saab, Secretary General, Arab Forum for Environment and Development (AFED, Lebanon&lt;br&gt;– H.E. Hatem Al Halawani, Minister of Industry and Trade, Hashemite Kingdom of Jordan, and Chairman, Jordan Investment Board&lt;br&gt;– HRH Prince Hassan bin Talal, Hashemite Kingdom of Jordan, Honorary President EMA e.V.</td>
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<tr>
<td>12.00-1.00 am</td>
<td>Lunch and opportunities for b2b exchange in the Foyer</td>
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<tr>
<td>1.00-2.30 pm</td>
<td><strong>Workshop 1: Energy Industry</strong>&lt;br&gt;Chairman: Dr. Khaled Elshuraydeh, Secretary General, Higher Council for Science and Technology, Hashemite Kingdom of Jordan&lt;br&gt;– Bassem Farradj, Secretary General, Amman Chamber of Commerce, and CEO, Arab Technical Group, Hashemite Kingdom of Jordan&lt;br&gt;– H.E. Malek Kabariti, Former Minister of Energy &amp; Mineral Resources, Hashemite Kingdom of Jordan&lt;br&gt;– Winfried Nau, Director Turkey / Middle East, DEG – Deutsche Investitions- und Entwicklungsgesellschaft mbH, Turkey&lt;br&gt;– Kurt Wiesegart, Team Leader, MED-ENEC Project Office, GIZ International Services, Egypt&lt;br&gt;– Ennis Rimawi, Managing Director, Catalyst Private Equity, Hashemite Kingdom of Jordan</td>
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<td>2.30-3.00 pm</td>
<td>Coffee break and b2b-exchange in the Foyer</td>
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### International Partnership Forum in the Foyer

The forum offers the platform for bilateral talks between companies from home and abroad interested in cooperation and is aimed at enterprises working in the following areas:

- Water Management
- Energy Industry
- Sustainable Resource Management and Circular Economy
- Climate Change and Environment Protection
- German–Arab Cooperation in Research and Development

Many relevant stakeholders are expected from Germany and the EMA region to meet and exchange at thematically labeled tables.
3.00-4.30 pm Workshop 2: Climate Change and Pressing Environmental Challenges

Chairwoman: Anja Wehler-Schoeck, Resident Director, Friedrich-Ebert-Stiftung Jordan and Iraq, Hashemite Kingdom of Jordan

- Khaled Anis Irani, Chairman, The Royal Society for the Conservation of Nature (RSCN), Hashemite Kingdom of Jordan
- Dr. Camilla Bausch, Senior Management and Senior Fellow, Ecologic Institute Berlin, Germany
- Najib Saab, Secretary General, Arab Forum for Environment and Development (AFED), Lebanon
- Silke Ruth Laskowski, Professor for Environmental Law, University Kassel, Germany
- H.E. Dr. Muhanned Adnan Hararah, Aqaba Special Economic Zone Authority (ASEZA), Hashemite Kingdom of Jordan

4.30-5.00 pm Coffee break and b2b-exchange in the Foyer

5.00-6.30 pm Workshop 3: Sustainable Resource Management and Circular Economy

Chairwoman: Nabila Hamza, President, Foundation for the Future, Hashemite Kingdom of Jordan

- Dr. Kerstin Hartsch, Head of Department Ecology and Environment, IPRO Dresden, Germany, and Member of the EMA board
- Veronika Frankenberger, Consultant, clarify.decide.change, Germany
- Iheb Rayan, General Manager, Consultant and Associate Teacher, University of Versailles St. Quentin et Yvelines (UVSQ) Paris, France
- Faiza Chabchoub Chaker, Bureau Exécutif - Chambre Nationale des Femmes Chef d'Entreprises (CNFCE / UTICA), Tunisia

8.30 pm Gala Dinner, Amman
### DAY 2, Tuesday, September 10th 2013, Amman

**Concerted Action for Sustainable Green Growth – Amman Chamber of Commerce**

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<th>Time</th>
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<tr>
<td>9.00-10.00 am</td>
<td><strong>Registration, Amman Chamber of Commerce</strong></td>
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| 10.00-11.30 am | **Workshop 4: Water Management**  
  *Chairwoman: Beate Richter, Country Director Jordan, KfW Bank Group, Germany*  
  - H.E. Abdo Razzaz Saleh, Minister for Water and Environment, Republic of Yemen  
  - H.E. Dr. Hazem Al-Naser, Ministry of Water and Irrigation, Hashemite Kingdom of Jordan  
  - Eng. Khaldon H. Khashman, Secretary General, Arab Countries Water Utilities Association, Hashemite Kingdom of Jordan  
  - Maha Tawfik, Deputy Chairperson, National Water Research Center (NWRC), Egypt |
| 11.30-12.00 am | **Coffee break and b2b exchange in the Foyer**                       |
| 12.00-1.30 pm | **Workshop 5: German-Arab Cooperation in Innovation, Research and Development**  
  *Chairman: Prof. Dr. Anton Mangstl, Vice President, German-Jordanian-University, Jordan*  
  - Aline Büllmann, MSc., Integrated Water Resources Management Coordination, Cologne University of Applied Sciences, Germany  
  - Dr. Maha Halalsheh, Water Energy and Environment Center, MSc Integrated Water Resources Management Coordination, University of Jordan  
  - Andreas Wurtz, Director, German Academic Exchange Service (DAAD) Information Center (IC) Amman, Hashemite Kingdom of Jordan  
  - Prof. Dr. Fuad Hashwa, Professor of Microbiology & Biotechnology and EU – Erasmus Mundus Coordinator, Lebanese American University, Lebanon |
| 1.30-2.30 pm | **Lunch and opportunities for b2b exchange in the Foyer**            |

**International Partnership Forum in the Foyer**

The forum offers the platform for bilateral talks between companies from home and abroad interested in cooperation and is aimed at enterprises working in the following areas:

- Water Management
- Energy Industry
- Sustainable Resource Management and Circular Economy
- Climate Change and Environment Protection
- German-Arab Cooperation in Research and Development
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<th>Time</th>
<th>Event</th>
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<tr>
<td>2.30-3.30 pm</td>
<td><strong>Closing Ceremony</strong>&lt;br&gt; <em>Panel discussion and review of the workshops 1-5</em>&lt;br&gt;– Dr. Khaled Elshuraydeh, Secretary General, Higher Council for Science and Technology, Jordan&lt;br&gt;– Anja Wehler-Schoeck, Resident Director, Friedrich-Ebert-Stiftung Jordan and Iraq, Jordan&lt;br&gt;– Nabila Hamza, President, Foundation for the Future, Jordan&lt;br&gt;– Beate Richter, Country Director Jordan, KfW Bank Group, Germany&lt;br&gt;– Prof. Dr. Anton Mangstl, Vice President, German-Jordanian-University, Jordan&lt;br&gt;<strong>Concluding Statements</strong>&lt;br&gt;– HRH Prince Hassan bin Talal, Hashemite Kingdom of Jordan, Honorary President EMA e.V.</td>
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<tr>
<td>7.00 pm</td>
<td>Bus ride of the delegates to Amman Queen Alia Airport</td>
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<tr>
<td>9.00-9.55 pm</td>
<td><strong>Flight to Aqaba King Hussein International Airport, with snack on board</strong></td>
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<tr>
<td>10.00 pm</td>
<td>Bus ride to the delegates’ hotel in Aqaba</td>
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### DAY 3, Wednesday, September 11th 2013, Aqaba

#### Regional Investment Opportunities – Aqaba

<table>
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<tr>
<th>Time</th>
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<tr>
<td>10.00 am</td>
<td><strong>Welcome Reception – Aqaba Special Economic Zone Authority (ASEZA)</strong>&lt;br&gt;Welcome reception at Mövenpick Hotel, Aqaba, with b2b opportunities, exhibition of mega projects, resident companies and entrepreneurs in Aqaba and snacks</td>
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<tr>
<td>11.35 am</td>
<td><strong>Aqaba Main Port site visit</strong></td>
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<td>12.45 pm</td>
<td><strong>Aqaba Container Terminal site visit</strong></td>
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<td>01.45 pm</td>
<td><strong>Aqaba Logistic Village site visit</strong></td>
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#### Successful Environment Protection and Eco-Tourism – Wadi Rum Valley

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<th>Time</th>
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<tr>
<td>03.00 pm</td>
<td><strong>Cruise to Tala Bay Marina and on board lunch with further opportunities for b2b talks</strong></td>
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<tr>
<td>04.45 pm</td>
<td><strong>Tour through the UNESCO World Cultural Heritage, the Wadi Rum Valley, with a traditional Bedouin meal.</strong></td>
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**End of programme.**

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<tr>
<td>8.00 pm</td>
<td>Transfer to the Aqaba King Hussein International Airport</td>
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<tr>
<td>10.25 pm</td>
<td>Flight to Amman</td>
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<tr>
<td>11.30 pm</td>
<td>Bus ride to delegates' hotel in <strong>Amman</strong></td>
</tr>
<tr>
<td>8.00 pm</td>
<td>Transfer to delegates' hotel in <strong>Aqaba</strong></td>
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**Thursday, September 12th 2013**

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<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8.10 am</td>
<td>Flight recommendation from Amman to Frankfurt Int. Airport (RJ 125), Flight time 4:45h, Arrival 14:05</td>
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</table>
Speakers
Opening Ceremony

**H.E. Senator Riad Al-Saifi** is Chairman of the Amman Chamber of Commerce. In addition he is Honorary President of the Beijing Chamber of International Commerce and board member of the Chlorine National Company, the Modern Cables Company, the International Company for Manufacturing Metal, the China Friendship Association and the Ukraine Friendship Association. Previously, he has served as board member of the Amman Municipality Committee, the Social Security Company, Dustour Newspaper and many others. Since 2012, he is member of the EMA Advisory Board.

**Adelheid Sailer-Schuster** is President of the Deutsche Bundesbank’s Regional Office in Hamburg, Mecklenburg-West Pomerania and Schleswig-Holstein since 2009 and President of the EMA since 2013. Previously, she has served as Speaker on financial market issues for the German Representation to the EU in Brussels, economics and fiscal policy advisor to the Economic and Financial Committee (EFC) of the European Parliament, Representative of the Deutsche Bundesbank in Italy and financial attaché to the German Embassy in Rome.

In 2011, **H.E. Ralph Tarraf** was appointed ambassador of the Federal Republic of Germany to the Hashemite Kingdom of Jordan. Prior to that, he has held several positions in the German Federal Foreign Office such as Head of the Department for the Middle East and Associate Director of Policy Planning. He has been Head of Department at the German Chancellery. Mr. Tarraf has served in the Permanent Representation to the United Nations in New York and in the German embassy in Khartoum, Sudan.
Opening Keynotes

H.E. Dr. Hatem Al-Halawani is Minister of Industry, Trade & Supply and Minister of Information & Communications Technology of Jordan. Among other institutions, he is currently heading the Jordan Investment Board, the Information Technology Center and the Jordan Enterprise Development Cooperation (JEDCO). Previously, he has served as Minister of Industry & Trade & Minister of Information & Communications Technology, Minister of Water & Irrigation, Hashemite Kingdom of Jordan, Senator of the Upper House of the Parliament and Chairman of the Jordan Chamber of Industry.

An architect by training, Najib Saab is Secretary General of Arab Forum for Environment & Development (AFED), and publisher and Editor-in-Chief of Al-Bia Wal-Tamia (Environment & Development) the leading pan-Arab magazine on sustainable development. He has a varied experience, ranging from designing for multi-nationals like General Motors and lecturing on corporate architecture at the American University of Beirut, to advising various governments and agencies on environment and writing on sustainable development and technology.

His Royal Highness Prince El Hassan Bin Talal is Founding Member and Chairman of the West Asia – North Africa Forum (WANA), Co-Founder of International Cultures Foundation, Regional Experts in the Independent Eminent Experts Group, Founding Member of Partners in Humanity, and Founding Member and President of the Foundation for Interreligious and Intercultural Research and Dialogue (FIIRD). HRH Prince Hassan formed the Parliament of Cultures to fulfil his agenda of promoting understanding among different cultures and enhancing dialogue between their thinkers and intellectuals. HRH served as Chairman of the Policy Advisory Commission for the World Intellectual Property Organisation (WIPO) and was a Member of the Board of the South Centre, the Committee of UNESCO International Inter-religious Advisory Committee and an Honorary Member of UNESCO World Commission on Culture and Development. HRH was also a Member of the Informal Advisory Group to the United Nations High Commissioner for Refugees and a Member of the Executive Committee and Trustee of the International Crisis Group. He is board member of numerous other institutions and organisations. HRH Prince Hassan is the author of nine books. In addition, he is Honorary President of the EMA.
Workshop 1: Energy Industry

**H.E. Dr. Khaled Elshuraydeh** is the General Secretary of The Higher Council for Science and Technology (HCST) and Acting President of The National Center for Research and Development (NCRD), former Minister of Energy and Mineral Resources, and founding President of National Nanotechnology Centre of Jordan (NANCEJ). He obtained his PHD in physics and mathematics/medical physics from Utrecht State University in the Netherlands. Dr. Khaled Elshuraydeh has many publications in the fields of Medical Physics, Science and Technology to his credit.

**Bassem Farradj** is CEO to several reputable private enterprises. In addition to being a board member of the Amman Chamber of Commerce, he currently holds the role of Secretary General. Mr. Farradj also holds a place on the Board of the Jordanian Renewable Energy Society and of the Royal Scientific Society. He is Founder and Chairman of the Arab Technical Group and board member of Clean Energy Concepts (CEC). He holds academic degrees of the Cranfield School of Management and the Sussex University in the UK.

**H.E. Malek Kabariti** has been Minister of Energy & Mineral Resources of Jordan until July 2013. Since 2012, he is Chairman of the National Electric Power Company (NEPCO). He has been President of the National Energy Research Center for Jordan as well as consultant and advisor on energy issues in several institutions in Jordan, UAE and Belgium. He received academic degrees in Mechanical Engineering of the University of Texas and the West Virginia University at Morgantown, US.

**Winfried Nau** is responsible for New Business in Turkey and the Middle East (based in Istanbul), at DEG - The German Investment and Development Company, a bilateral development finance institution, 100% owned by KfW. After having graduated in economics he joined GTZ, the German Agency for Technical Cooperation, in 1982. Among others, he worked in Egypt and Tunisia. In 1991 he joined DEG, where he worked in different regions such as Eastern and South Eastern Europe, the Middle East and Central Asia.
Dr. Kurt Wiesegart studied Economy, Psychology, Mandarin Chinese, modern Chinese Philosophy and History in Germany and PR China. As Managing Director of Pacific Consult Co Ltd., Germany, he is consulting private European companies doing business in PR China. He managed numerous projects of multilateral organizations (ADB, UNIDO) and bilateral organizations (GTZ, KFW) in PR China, Indonesia, Thailand, Vietnam et al. (energy, environment, energy efficiency). Since 2011 he is Team Leader of the EU financed MED ENEC II project which is focusing on recovering the energy saving potential in buildings in the MENA region (Middle East & North Africa).

Ennis Rimawi is the Founder and Managing Director of Catalyst Private Equity, a Middle East / North Africa Arab region energy and water sector PE fund launched in late 2006. Over the past 20 years Ennis’ focus has been on technology business building, turnarounds, manufacturing, and investment structuring in the US and Arab region. He began his career at Ford Motor Company and later founded ONEWORLD Software Solutions (Boston) and led the turnaround of Estarta Solutions (Jordan). Ennis is the Chairman of Millennium Energy Industries (Jordan and Chile), a founder of NetCorps (NGO) and the MIT Arab Alumni Association.

Workshop 2: Climate Change and Pressing Environmental Challenges

As head of the Amman Office of the German Friedrich-Ebert-Stiftung (FES), Anja Wehler-Schoeck is responsible for the foundation’s work in Jordan and Iraq; she also coordinates the regional project on energy and climate policy. Anja Wehler-Schoeck joined FES in 2005 and has held various positions at the Berlin headquarters of the organization. Before relocating to Jordan in 2012, she served as Desk Officer for the United States, Canada and Japan. Prior to joining FES, her assignments led her to Tunisia, Jordan and the United States. She is the author of a number of German and English language publications, including a book on women’s rights in Jordan.

H.E. Khaled Anis Irani is President of The Royal Society for the Conservation of Nature (RSCN). He served in Jordan’s Government, first as Minister of Environment. He took a lead in improving and introducing environmental laws, and preparing the national environmental strategy. Later he was appointed Minister of Energy and Mineral Resources and promoted renewable energy and energy efficiency. While Director General of RSCN 1996-2005, he was able to draw upon his experience as Manager of Jordan’s Protected Areas Department, where he was instrumental for the establishment of the Dana Wildlife Resort.
An architect by training, **Najib Saab** is Secretary General of Arab Forum for Environment & Development (AFED), and publisher and Editor-in-Chief of Al-Bia Wal-Tamnia (Environment & Development) the leading pan-Arab magazine on sustainable development. He has a varied experience, ranging from designing for multi-nationals like General Motors and lecturing on corporate architecture at the American University of Beirut, to advising various governments and agencies on environment and writing on sustainable development and technology.

Since 2009, **Prof. Dr. Silke Ruth Laskowski** holds a Chair of Public Law, International Law, European Law and Environmental Law at the University of Kassel. She is Head of Department of Public Law, International Law, European and Environmental Law. Between 2006 and 2008 she was Legal Adviser at the Parliamentary Service at the State Parliament of Schleswig-Holstein, Kiel. She received her Habilitation for her work on “The Human Right to Water and Sanitation” and is currently involved in the research project “InfraWass: Sustainability institutions for the governance of long-lasting urban water infrastructure systems”. Her research focus is among others on good environmental governance and water rights.

**Dr. Camilla Bausch** works in the Senior Management and as Senior Fellow at Ecologic Institute. Her responsibilities include strategic planning and personnel development. With respect to her research work, she is involved in projects dealing with the negotiations on the future UN climate regime after 2012, emissions trading, and the improvement of the legal framework for the energy sector. Trained as a lawyer, she has a strong background in legal and institutional analysis, complemented by several years of experience working in interdisciplinary and international settings.

Dr. Muhammed Adnan Hararah is Commissioner for Environment & Health Control of the Aqaba Special Economic Zone Authority and Vice Dean of the Engineering Faculty of the Al-Hussein Bin Talal University, Ma’an, Jordan. Prior to joining the Al-Hussein Bin Talal University as an Assistant Professor of the Department of Environmental Engineering in 2005, he has been a scientific researcher at the Department of Environmental Process Engineering and Recycling of the Friedrich-Alexander-University, Erlangen, Germany, where he received his PhD in Chemical Engineering/Environmental Engineering. Dr. Hararah has contributed to several scientific publications.
Workshop 3: Sustainable Resource Management and Circular Economy

**Nabila Hamza** is the President of the Foundation for the Future (FFF), an independent, international nonprofit organization established in 2005. Prior to her work at the FFF, Mrs. Hamza served as the Executive Director of the Center of Arab Women for Training and Research (CAWTAR) and has worked as an Expert in the Arab League for 10 years. Mrs. Hamza is a respected researcher in social and political science and is an expert on gender issues. She has published and contributed to a wide range of books and articles on issues of the Arab region. She has been awarded prizes to honour her dedication to promote civil society initiatives and human rights in 2009 and 2011.

Since 2007, **Dr. Kerstin Hartsch** is Head of the Department for Environment and Ecology at IPRO consult, where she is engaged in project planning and management of sustainable projects in soil reclamation for agriculture and forestry after-use in arid regions such as Morocco and Syria and hydro-geological and soil investigations. Prior to that, she has been project manager in several private companies concerned with hydrogeological exploration, groundwater resources and engineering geology. Mrs. Hartsch holds a PhD of the TU Bergakademie Freiberg. She is board member of the EMA.

**Veronika Frankenberger** has several years of practical experience in personal, personal communication and human resource development and studied the Indonesian, French, Mandarin and Arabic language. Her business „clarify-decide-change“ is engaged in intercultural consulting, training and coaching. Additionally, she is a lecturer at Ludwig-Maximilian University Munich and University of Applied Sciences Munich.

**Iheb Rayan** has approximately 20 years of professional experience in project management, consulting, technical assistance, recruitment and training. He is an associate teacher at the University Versailles Saint Quentin (UVSQ) in Paris and a PhD candidate at Georgetown University in Washington.
Faiza Chabchoub Chaker is a successful business woman owning several companies in the fields of import/export of Tunisian products, computer equipment and cartridge recycling. She is a member of the Executive Office of the Chambre Nationale des Femmes Chefs d'Entreprises (CNFCE) in Tunisia, an institution that promotes women's entrepreneurship and helps women to integrate fully in the business landscape. From 2010 and 2012 she served as treasurer of CNFCE. She has been President of the Lions Club Sfax Thyna.

Workshop 4: Water Management

Beate Richter joined KfW in 2006. She represents KfW Development Bank office in Amman since 2012. Prior to that position she was based in Frankfurt and responsible for Water and Energy projects in West Africa. Ms Richter holds a Master in Political Science and Islamic Studies from Freie Universitaet Berlin and Universitaet Potsdam and is certified business economist from Fernuniversitaet Hagen.

H.E. Abdo Razzaz Saleh is Minister for Water and Environment of the Republic of Yemen since 2011. Prior to his appointment, he has been with the National UNESCO Commission for nearly 20 years and has held several positions such as General Manager for International Relations and Director General of Studies and Information Exchange. Mr. Saleh holds academic degrees in the fields of Psychology, Education and French Language.

H.E. Dr. Hazem Al-Naser is Minister of Water and Irrigation of Jordan. He has served the Jordanian government in several positions. He has been Minister of Agriculture in 2003 to 2005 and Minister of Water and Irrigation in 2001 to 2003. Prior to that, he has been Secretary General of the Water Ministry. Naser is recipient of the Kawkab Medal of the First Order and the Istiqjal Medal of the Second Order. He holds a PhD in water resources from the Technical University Munich.
Eng. Khaledon Khashman is the Secretary General of the Arab Water Utilities Association (ACWUA) and a member of the EMA’s Advisory Board. Before assuming his current position, he has worked in his native Jordan both in the private and the public sector, for example serving in the Water Authority as an Executive Manager. He is also a member of the steering committee of the Global Water Operators Partnership.

Dr. Maha Tawfik is the Deputy Chairperson of the Egyptian National Water Research Center (NWRC). She holds a Ph.D. degree in Water Resources Planning and Management from Colorado State University, USA. During the period from 2009 till early 2013 she held the position of the Head of the Human Resources Development Sector. Dr. Tawfik participated as a water resources specialist in a large number of water resources development projects with scientific, governmental, private, regional and international organizations.

Workshop 5: German-Arab Cooperation in Innovation, Research and Development

Prof. Dr. Anton Mangstl is a specialist in Information and Knowledge Management as well as Agronomy and serves since April 2011 as Vice President at the German-Jordanian University. Prior to this appointment he was a Director at the Food and Agriculture Organization of the United Nations (FAO) Rome. Anton Mangstl has also served at the Centre for Agricultural Documentation and Information (ZADI) and the Centre for Life and Food Sciences in Agriculture in Germany. He completed his Ph.D. at the Technische Universität München in 1978 and was appointed honorary professor by the National Agricultural University of Kiev, Ukraine in 2001.

Aline Bussmann is research assistant for projects in the MENA region at the Cologne University of Applied Science and programme coordinator for the international Master’s programme “Integrated Water Resources Management”, which she completed in 2013. Prior to joining the IWRM programme Aline Bussmann has been active as a student assistant at RWTH-Aachen University and has conducted a research on the impact of climate change in ecological stressed regions with the Zukunftsschule.SH in Germany.
**Dr. Maha Halalsheh** is Assistant Researcher at the Water and Environmental Research and Study Centre (WERSC) of the University of Jordan and Lecturer of the IWRM master's programme of the FH Köln. She holds a PhD in Environmental Engineering of the Wageningen University in the Netherlands. Her previous projects involved effective wastewater management with a focus on different integrated anaerobic treatment systems and on the characterization of rural wastewater.

**Andreas Wutz** has been director of the newly-established DAAD Information Center in Amman since September 1, 2012. In addition he holds a DAAD teaching position at the University of Jordan. Previously he had worked for several years as a DAAD lecturer in Beirut as well as a language assistant in Cairo. In 2006 he completed his Magister degree in Political Science, German Language and Literature and Classical Archaeology at the University of Regensburg.

**Prof. Dr. Fuad Hashwa** is professor of microbiology and biotechnology at the Lebanese American University (AUB) since 1994. He has been teaching at the University of Bonn, Germany, the University of Jordan in Amman and the AUB. Dr. Hashwa has an extensive publication and research record and is an active member in several international scientific societies. He is a recipient of several research awards and grants. He has presented several papers at international conferences and has organized many scientific meetings, workshops and excursions.
Delegates
Stefan Chun  
General Manager of CUBE Engineering GmbH

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CUBE ENGINEERING GMBH


CUBE Engineering GmbH is one of the leading international Consulting companies for Renewable Energy Systems. Main business areas are Wind, Solar and Smart Power. More than 700 different clients use CUBE’s service expertise often from the idea until implementation and operation of the project. During the last 20 years specialists provided services for over 4,000 projects worldwide with an overall performance of more than 15,000 MW. CUBE Engineering is a DAkkS-accredited laboratory according to DIN EN ISO/IEC-Norm 17025:2005 in the field of wind, site and environmental assessment and employs around 70 people at three locations in Germany.

“I would like to get connected with new stakeholders and key players in the Jordanian energy business. The forum is a good opportunity to present own expertise and experience for the first PV plants and Wind Farm projects in Jordan and to expand business activities in Jordan as well as to identify new projects and potential partners.”

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THINKING OUTSIDE THE BOX

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**EcoTubolar AG**

Irrigation-Systems

EcoTubolar AG was founded in 2009 and is based in Frankfurt am Main. The company's activity is focused on the field of environmental technology: in this context it offers solutions for the efficient use of existing water resources through water-saving irrigation technologies. In the process, EcoTubolar provides expertise in preliminary consultation processes and in the planning and implementation of diverse irrigation projects. The installation focuses on our porous hose that delivers water underground directly to plant root systems.

“Our interest in the forum is to find partners for irrigation projects related to water saving technology in the Region of Middle East.”

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**Industrial Solar GmbH**

Solar Process Heat
Solar Cooling

Industrial Solar is a solution provider for solar process heat and solar cooling. We provide turn-key project to industry and commerce based on our innovative linear Fresnel collector. The technology was already several times applied in the MENA region and has proven its suitability for the regional climate.

“We visit the Forum to meet Jordanian industrial companies from various sectors such as food, pharmaceutical, chemical, mining or metal, to discuss financing opportunities with local banks and to understand the future development of Jordanian renewable energy policy.”
OMERASTORE GMBH - GERMANY

glass coated steel tanks and silos: engineering and manufacture
small wind energy machines: engineering and manufacture

OMERASTORE, a subsidiary of omeras GmbH, is specialized in glass coated steel tanks and silos. The company has over 170 years of experience in manufacturing enameled steel components. We offer a high resistance surface (glass) in combination with steel which allows a most efficient storage and processing of potable water, wastewater and further liquids.

The tanks are made of screwed glass fused steel plates and galvanised ring stiffener fixed and sealed on a concrete slab. The storage capacities range from 8 m3 to over 10,000 m3 per tank - with or without roof.

OMERASTORE offer also small wind energy machines under the trade name omerastream for small communities.

The used vertical system allows smart solutions for harvest of electric energy by wind. www.omerastream.de

“We take part in this forum for the presentation of products, finding of partners for further projects and creating an idea of cooperation based at our product range.”

Omerastore GmbH

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Ingenieurbüro Last- und Energiemanagement Dr. Ingrid Heinrich

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Web  www.lem-software.com

INGENIEURBÜRO LAST- UND ENERGIEMANAGEMENT DR. INGRID HEINRICH

Thinking ahead with energy

Software development and services for the energy market – typical clients are energy suppliers, producers, large industries, grid operators, energy traders, etc.

The engineering consultancy Last- und Energiemanagement is an IT service provider for an energy-efficient use of database-based software. We develop analysis and assessment software as well as software for demand forecasting and infeed forecasting for renewables, using a wide range of calculation models. Our timetable and portfolio management modules then use these to price customer contracts and make offer calculations. Our software product, the LoadManager, can use these functions in the fields of electricity, gas and heat and you can thus run your power plant pool optimised for the market, including the use of gas and/or heat storage. We thus also have cross-field optimisations in our product portfolio, such as combined heat and power and the direct marketing of control energy and electricity from renewables.

Users of our software are energy suppliers and industrial companies, grid operators and energy traders, plus the operators of conventional power plants and wind, solar and hydropower systems.

The modular design of the software system enables a flexible use whether it be for online monitoring or long-term planning over many years, and can thus be used all the way up to making investment decisions on planned power plant decommissioning (50 year horizon).

Existing and adjustable interfaces, such as to SAP systems, control systems, weather services and energy trading platforms, make for a hassle-free integration of our software into the existing IT landscape at a company.

The multi-client-enabled software can be run both manually and automatically for any number of customers. In automated operation, for example, day-ahead forecasts can be run daily for several thousand measured customers and a million profile customers.

“By participating in the German-Arab Environment Forum 2013, LEM-Software would like to take the opportunity getting to know the economic region of Jordan as well as its energy market and for networking on a professional level.”
BBK BAU GMBH

BBK BAU GmbH has been building residential and industrial developments, redeveloping and modernising historic buildings and constructing shell and turn-key properties in Hannover Region for three generations.
BBK BAU has years of proven specialist expertise in costing, planning, building and delivering, including low-energy projects from houses to offices and energy saving concepts including choice of materials. We give international presentations on ecological and economic aspects of new energy technologies.

“I am visiting the forum to contact new business partners”
INSTITUTE FOR TECHNOLOGY AND RESOURCES MANAGEMENT IN THE TROPICS AND SUBTROPICS (ITT)

The ITT cooperates with key regional, national and international organizations within the fields of resources management, development cooperation and higher education in addition to providing teaching, research and capacity development worldwide.

The Institute for Technology and Resources Management in the Tropics and Subtropics (ITT) at the Cologne University of Applied Sciences aims to enable people of various technical and cultural backgrounds to better solve the complex issues related to environmental problems with an interdisciplinary and intercultural approach at the graduate and postgraduate level. Studying at the ITT does not only mean achieving a master’s degree, but going beyond one’s professional and personal borders.

“A Master programme in Integrated Water Resources Management is conducted jointly by ITT and the Water Energy and Environment Center (WE:EC) at University of Jordan. The overall objective is to educate experts in the field of Integrated Water Resources Management who are in demand for leading positions in the water sector and are able to manage complex projects for international institutions and companies operating in the Arabic. The German-Arab Environment Forum provides an international platform for exchange with other professionals working in the environmental sector and helps to promote the concept of IWRM in the context of German-Arab cooperation.”
Veronika Frankenberger
clarify. decide. change.

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“I’m looking forward to discussions with the participants. As a mentor of the EMA’s German-Arab mentoring project I’d like to introduce my mentee’s company RecyTech and discuss options to support her. Besides that, I’m into researching for a PHD programme about success in leadership and team development in intercultural contexts. I’m looking forward to learn more about your experiences.”

Excerpts from our media data:

Mediterranes broadens horizons.
www.ema-germany.org

Become a media partner!
### Frau Dr. Kerstine Hartsch
IPROconsult GmbH

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## IPROCONSULT GMBH

**SPECIALIST DISCIPLINES**

- Master planning,
  - Urban Development Architecture
- Energy concepts for renewable energies
- Transport and Civil Engineering, Waste Water Treatment, Water Supply
- Structural Design and Building Services and Utilities
- Project Management and Controlling
- Revitalisation of degraded sites, i.e. postmining landscapes, Environmental and Ecological Planning

IPRO was founded in 1949 and is worldwide active as an architectural, engineering, planning and consulting firm. IPRO’s headquarters in Dresden and several branch offices employ architectural and structural engineering teams, transport, civil and construction engineering designers as well as building services and utilities engineers engaged in providing overall planning and design services to clients. Based on a commitment to sustainability, ecologically sound and energy efficient solutions are developed with utilization of renewable energies, in particular within the scope of urban planning and location development or infrastructure planning projects (e.g. wastewater disposal and treatment, drinking water supply and treatment, river engineering). IPRO acts as a one-stop agency by bundling all required consultancy, planning, design, engineering and supervision expertise under one roof. Thus, principals and owners are completely relieved from coordination and interface control. Our individual specialist disciplines are also working separately on major construction projects and bring their expertise in highly complex planning and design processes to bear. IPROconsult GmbH results from the former IPRO DRESDEN Planungs-und Ingenieurkiiengesellschaft and its branches.

"Our interest in the forum:
1. Protection against soil erosion, flood prevention
2. Innovative and Sustainable Building Services and Utilities Design (Central solar cooling, Photovoltaic unit, Use of energy efficient equipment and systems, Use of block heat and power plant, Use of drinking water tanks for storage of cold, Geothermal energy)
3. Innovative and Sustainable Water / Wastewater Engineering Design (Processing of potable water, Disposal of wastewater, Irrigation, Drainage Master Plan)"
**Brigitte KOHL**  
EDITOR Mittelstands Magazin (Germany)

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**GK MITTELSTANDS MAGAZIN VERLAG GMBH**

Published 10 times/ year, 40,500 Copies each, target group: Small and medium enterprises (SME) and their owners

“During the forum I would like to listen and get into contact, walk around and collect impressions and information for my article.”

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**Barbara Schumacher**  
Freelance journalist and photographer

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“I am interested in the topic of the forum and the speakers.”
Useful Information

Conference Venue:

**Amman Chamber of Commerce**

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Telephone: +962-6-566615
Fax: +962-6-5666155
Email: info@ammanchamber.org.jo
Website: www.ammanchamber.org.jo

**German Embassy Amman**

Address: Benghisi Street 25, Jabal Amman
Telephone: +962-6-5901170
Email: info@amman.diplo.de

**Kempinski Hotel Amman**

Address: Abdul Hamid Shouman Street – Shmeisani, Amman
Telephone: +962-6-5200 200

**Mövenpick Resort & Residences Aqaba**

Address: King Hussein Street, Aqaba
Telephone: +962 3 203 40 20
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