The 13th Tunisian Petroleum Exploration and Production Conference

Tunis October 26-31, 2015
Carthage Thalasso Hotel, Gammarth, Tunis

« Taking up Challenges for a New Era of Success… »

PROGRAMME & CATALOGUE

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Oil & Gas

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TUNIS MAP AND CARthAGE THALASSO HOTEL LOCATION
ABOUT THE EPC 2015

Welcome to the EPC 2015, now it is the 13th Exploration & Production Conference. The EPC 2015 will focus on exploration opportunities in Frontiers areas, i.e. the Northern Tunisia, as well as the promising oil and gas potential. The new discoveries made in 2015 will strengthen Tunisia's position and opportunities for more oil and gas production.
WELCOME MESSAGE

Honorable Guests, Excellencies, ladies and gentlemen,

Welcome to the 13th Exploration & Production Conference, the EPC 2015 that ETAP is organizing this year in Gammarth, suburbs of Tunis. We are here just few kilometers from Carthage magnificent palace, has strong associations with landmark events in Tunisia history over three thousand years, and thus provides an ideal setting for an event that addresses the major challenge of providing mankind with energy.

The theme of the Conference is “Taking up Challenges for a New Era of Success”. This theme has been chosen after careful deliberation, to reflect the ambition of ETAP and Tunisia to stimulate the Energy Sector, in collaboration with all partners active in the country.

In our country, we had four (4) years of political transition ended in 2014 with elections held, a new constitution approved and a new government taking the leadership to find the solution of all challenges in all domains that we are facing.

Vigilance was heightened to restore security throughout the country. Structural reforms and new investment are undertaken to help economic transformation including the energy sector and pull the country out of these uncomfortable conditions.

• For ETAP, we are committed to work hard with all partners in a Win - Win relationship to increase our energy proven reserves, by exploring our natural oil & gas resources, to overcome the energy deficit, which is right now more than 50%.

Our current production is about 250 MMCF Gas per Day and 42,000 BO Per Day of crude oil.

ETAP has the exclusive privilege and responsibility, have taken a long term view focusing on technical skill development to satisfy the industry needs. Several Master Programs has been planned last decades, brought new talent in the engineering fields, to run the upstream projected that ETAP and our partners working on. We are also proud to have recruit the new group of Junior engineers and geoscientists, ETAP is offering the chance to grow both intellectually and technically by the involvement in all common projects in Tunisia with our partners.

The Average Commodity Price is estimated around US $ 56 per barrel of crude oil should hold in 2015, this price will helping to reduce the Tunisia energy shortfall, which was TND 3.6 billion (Tunisian dinars) or US $ 2.3 billion in 2014, but in the same time has a negative impact by reducing the exploration activity in the country; the 2015 IOCs Exploration budgets were reduction by 10% to 50%.

We believe that there is no way to increase our reserves without a strong and an aggressive exploration seismic and drilling activities.

The Government and ETAP is favorably disposed to the concept of corporate social responsibility. The corporate social responsibility model has to take firm hold among Tunisian companies as well as IOCs investing in Tunisia.

To date in the energy sector, the most successful campaigns focused on preserving the environment and working safely.
Examples include support of ETAP and Partners for an educational program related to children’s schools, a clean water initiative.

Social unrest erupted in the underserved interior regions, ETAP and operators are active in these areas where we have assets, we took the necessary measures to bring back the production of the fields, in parallel with the synergy in between all parties. We were all able to bring to all these regions the necessary funds that will allowed them to benefit from few projects and by setting up new small businesses as a contribution to reduce poverty and jobless.

During this conference, we shall be looking at these and many other topical issues that relate to the day-to-day running of the industry, as well as its orderly development in the years ahead.

At the same time, we shall accommodate broader-based issues affecting the harmonious evolution of mankind generally, such as the environment, sustainable development and the eradication of poverty through CSR mechanism, and how the provision of modern energy services. In Tunisia, we attach a great deal of importance to this.

We shall also benefit from the latest advances in technology to ensure the reduction of the Exploration risks, to run the projects with efficiency and increasing the success rate towards the satisfaction of the National energy needs and reducing the energy deficit.

During these few days, we are privileged to have among us experts from across the international energy spectrum, Top Management of national and international oil companies, service contractors, Universities and academic institutions. We are deeply appreciative of their breaking away from their busy day-to-day schedules to participate in this EPC 2015 Conference. At the same time, however, we are confident that, as well as benefitting us with their knowledge and experience; they themselves will gain from the wealth of expertise gathered during this week.

We welcome full, free and frank exchanges in all our discussions. It is only with an open, wholehearted approach that a Conference like this will be truly effective in enabling us to improve our knowledge, understanding and sharing E&P New Venture opportunities, where ETAP is offering a wide range of open blocks in diversified geological setting.

On behalf of the participants, I should like to thank all actors in our oil industry for their support, as well as the EPC Organizing Committee with whom they have worked closely over the past year. Similar appreciation is due to the sponsors, who have provided financial support and other assistance.

We are also indebted to all the speakers, session chairmen and other participants, who have spent a great deal of time preparing for this event, and we eagerly await their valuable contributions.

Finally, I would like to wish you a successful conference, fruitful discussions and to all participants a pleasant stay in Tunisia.

Thank you for your attention,
THEMES OF THE TECHNICAL SESSIONS

The technical sessions will include oral and poster presentations related to the following themes:

**Theme 1**: Emerging Frontiers Exploration Challenges and Prospectivity in Tunisia

**Theme 2**: Tectonic and Structural Geology

**Theme 3**: Organic Geochemistry, Basin Modeling and Petroleum Systems

**Theme 4**: Reservoirs: Stratigraphy and Sedimentology

**Theme 5**: Reservoir Engineering, Modeling and Management

**Theme 6**: Reservoir Geophysics

**Theme 7**: Geophysical Methods: New Technologies and Applications

**Theme 8**: Drilling, Completions Technologies and Operations Management

**Theme 9**: Field Development and Enhanced Recovery

**Theme 10**: Oil & Gas Projects Managements

**Theme 11**: Unconventional Resources

**Theme 12**: HSSE and Development Changes

**Theme 13**: GIS and Data Management
THE ORGANIZING AND SCIENTIFIC COMMITTEES

It is our great pleasure and honor to share with you the technical program for the EPC’2015. This program offers a large spectrum of oral and poster presentations related to the E&P activities and trends in Tunisia, as well as North Africa and also related to E&P Technologies making the conference an integrated forum. The conference will be with 87 oral and 64 poster presentations. We would like to thank all authors (and co-authors) for their contributions. The Technical Program EPC2015 has been established, using a regional approach, integrating both exploration and production related presentations. The Technical Program also includes two interesting field trips, focusing on the Petroleum Systems in the Thrust belt zone at the Northern Tunisia and the Early Cretaceous Petroleum Systems in Central Tunisia. We are confident that EPC 2015 will achieve technical excellence towards a better understanding of the Tunisian petroleum geology and more E&P opportunities. So don’t miss it ! The organizing committee and the Scientific Committee will provide every effort to make this conference a successful event.

The EPC 2015 Organizing Committee

Chairman : Yassine MESTIRI
Coordinator : Abdelaziz MESKINI
Coordinator Assistant : Chokri EL MAHERSSI
Support Committee : Taoufik BOUEBDILE
Rached HACHEMI
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FIELD TRIPS : Moncef SAIDI
Members: Fares KHEMIRI, Ahmed NASRI, Anis BELHAJ MOHAMED, Sofiene HADDAD, Faycal FERHI
LOGISTICS & SOCIAL PROGRAM : Faouzi KRAIEM
Members: Faouzi BEN AYED, Slim HALFAOUI, Mounir ZAKRAOUI
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Members: Jalel SMAOUI, Abdelaziz MESKINI
INFORMATION TECHNOLOGY (IT) : Mohamed Ali KHEUL
Members: Safouene LEJRI
DAILY NEWS : Chokri EL MAHERSSI
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Members: Salman JEDDI, Salma MOKADEM, Ali BECHILAOUI
FINANCIAL: Belgacem HARRABI, Haifa BELLAOUI
THE EPC 2015 AT GLANCE

DAY 1

CONFERENCE AND FIELD TRIP REGISTRATION - RECEPTION OF CARTHAGE THALASSO HOTEL GAMMARTH, TUNIS

OCTOBER 26, 2015 - HOTEL CARTHAGE THALASSO, GAMMARTH, TUNISIA
CONFERENCE ROOM CARTHAGE 3

SCHLUMBERGER WORKSHOP
THE UNCONVENTIONAL RESOURCES

OPENING
08:30 – 08:45 – WELCOME COFFEE
08:45 – 08:50 – SAFETY BRIEFING
08:50 – 09:00 – WELCOME SPEECH -INTRODUCTION

SESSION 1 : UNLOCKING THE TRUE POTENTIAL OF SHALE VIA AN INTEGRATED WORKFLOW APPROACH
09:00 – 09:45 – PAVING THE WAY OF THE SHALE QUEST THROUGH AN OPTIMUM WORKFLOW

SESSION 2 : “RESERVOIR” QUALITY CHARACTERIZATION
09:50 – 10:30 – “POTENTIAL” IDENTIFICATION AND EVALUATION
10:30 – 10:45 – COFFEE BREAK

SESSION 3 : COMPLETIONS QUALITY FOR OPTIMUM EXTRACTION
10:45 – 11:45 – ENGINEERED COMPLETIONS QUALITY AND ITS DIRECT IMPACT ON POTENTIAL PRODUCTION

STAND TOUR AND LUNCH BREAK
12:15 – 13:15

SESSION 4 : COMMUNITY AND ENVIRONMENTAL ASPECT OF SHALE DEVELOPMENT
13:15 – 13:50 – SHALE IN GENERAL AND THE TUNISIAN CONTEXT IN PARTICULAR

CLOSING: ROUND TABLE DISCUSSIONS AND KNOWLEDGE SHARING
14:00 – 14:30 – Q&A SESSION + CLOSING
Taking up Challenges for a New Era of Success

THE EPC 2015 AT GLANCE

DAY 1

OPENING CEREMONY: ROOM CARTHAGE 1 from 16:00H - 18:00H

Welcoming Address
Mr Mohamed AKROUT - President & CEO of ETAP

Opening Address
His Excellency Mr Zakaria HAMAD - Minister of Industry, Energy & Mines

Key Note Speakers
Mr Kamel BEN NACEUR, Director of policy and sustainable energy technologies, International Energy Agency
“ Les perspectives énergétiques et leurs enjeux pour la conférence sur le climat ”

TITLE
Mr Faouzi ALOULOU Project Manager, Global Hydrocarbon Supply Modeling - Energy Information Administration at the US Department of Energy
“ Exploration and Production of Shale in the U.S. and the Rest of the World: Challenges and Opportunities ”

Exhibition Center
Opening of the Exhibition Area
18:00H - 20:00H

ICE BREAKER & WELCOMING RECEPTION
SPONSORED BY
The EPC 2015 AT GLANCE

### DAY 2

**Tuesday, October 27th, 2015**

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<th>Time</th>
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<tr>
<td>8:30 – 18:00</td>
<td>Conference and Field Trip Registration at the Reception of</td>
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<td>Carthage Thalasso Hotel-Gammarth, Tunis</td>
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<tr>
<td>9:00 – 18:00</td>
<td>Exhibition (Exhibition Center)</td>
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<td>9:00 – 18:00</td>
<td>Technical Posters (Carthage Thalasso Hotel Hall)</td>
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<td>Technical Session I (Conference Room Carthage I)</td>
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<td>10:15 – 12:55</td>
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<td>14:00 – 15:40</td>
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<td>16:15 – 17:30</td>
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<td>Technical Session IV (Conference Room Carthage III)</td>
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### DAY 3

**Wednesday, October 28th, 2015**

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<th>Time</th>
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<tr>
<td>8:30 – 16:00</td>
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<td>10:15 – 12:30</td>
<td>Technical Session VI (Conference Room Carthage I)</td>
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<td>14:00 – 15:40</td>
<td>Technical Session VII (Conference Room Carthage I)</td>
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<td>14:00 – 15:40</td>
<td>Technical Session VII (Conference Room Carthage III)</td>
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<tr>
<td>16:15 – 17:00</td>
<td>CLOSING CEREMONY (Conference Room Carthage I)</td>
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**POST CONFERENCE FIELD TRIP**

From Wednesday, October 29th through Saturday, October 31th, 2015.

(After Closing Ceremony)
### TECHNICAL PROGRAMME DETAILS

**Oral sessions**

#### Session 1: 09h00 - 10h40

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<tbody>
<tr>
<td><strong>Theme 1</strong>&lt;br&gt;Emerging Frontiers Exploration challenges and prospectivity in Tunisia&lt;br&gt;Chairmen: Jalel Smaoui - ETAP&lt;br&gt;Giuseppe Cantarella - OMV</td>
<td><strong>Theme 2</strong>&lt;br&gt;Tectonic and Structural Geology&lt;br&gt;Chairmen: Tom Fletcher - Anadarko Noureddine Ben Ayed-FSB</td>
<td><strong>Theme 3</strong>&lt;br&gt;Organic Geochemistry, Basin Modeling and Petroleum Systems&lt;br&gt;Chairmen: Trend Rehill - Winstar Abdellaziz Meskini - ETAP</td>
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<tr>
<td>T1.02&lt;br&gt;Structural styles of poly-phase Triassic halokinetic and thrust tectonic in the Sahel block: Implication on hydrocarbon prospectivity&lt;br&gt;A. Nasri, F. El Ferhi and A. Boulares</td>
<td>T2.02&lt;br&gt;Integrated geological structural analysis and implications for exploration risk mitigation: Case study from Sfax offshore exploration permit, Tunisia&lt;br&gt;M. Hedi Acheche, M. El Euch, C. Reilly, H. Anderson and P. Rourke</td>
<td>T3.4&lt;br&gt;Organic geochemistry of source rocks and oil seeps from Central and Northern Tunisia&lt;br&gt;A. Belhaj Mohamed, M. Saidi, I. Bouazizi, M. Ben Jrad, F. Khemiri, A. Bechalaoui, S. Riahi and M. Soussi</td>
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<tr>
<td>T1.03&lt;br&gt;New Time to Depth conversion for the Didon field&lt;br&gt;K. Ben Boubaker</td>
<td>T2.03&lt;br&gt;Tectonic inversion of Tunisian basins in the strike-slip margin context. Role of vertical tectonics in oil prospecting&lt;br&gt;A. Rigane and C. Gourmelin</td>
<td>T3.3&lt;br&gt;Prospectivity and play assessment of south western Tunisia&lt;br&gt;F. Khemiri and A. Maazaoui</td>
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<td>T1.04&lt;br&gt;Petroleum Geology of Southern Tunisia&lt;br&gt;M. N. Aissaoui</td>
<td>T2.04&lt;br&gt;Evidence of Late Paleozoic to Early Mesozoic transpressive regime in a northern African outcrop: the Tebaga of Medenine&lt;br&gt;C. Raulin</td>
<td>T3.2&lt;br&gt;Tectono-stratigraphic evolution and hydrocarbon habitat of Enfidha area (Fkirine block), North Eastern Tunisia&lt;br&gt;A. Bel Kohla, T. Cavailles, A. Skanji, F. Ferhi, M.R. Chebbi, F. Kjelkenes and J. Vergès</td>
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**Coffee Break: 10h40 to 11h15 - Sponsored by Schlumberger**
### THE PROGRAM

**Session 2: 11h 15 - 12h 55**

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<tr>
<td>11h15</td>
<td><strong>Theme 10</strong> Oil &amp; Ga Projects Management</td>
<td><strong>Theme 5</strong> Reservoir Engineering, Modeling and Management</td>
<td><strong>Theme 2</strong> Tectonic and Structural Geology</td>
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<td>Imed Derouiche - Petrofac</td>
<td>Samir Bouaziz - ENIS</td>
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<td>11h40</td>
<td><strong>T10.05</strong> Gulf of Gabes, gas hub M. Bougacha</td>
<td><strong>T5.05</strong> Zarat field fracture modeling</td>
<td><strong>T2.05</strong> Basin geometry and salt structures in the Knana/Ragoubet Mahjoua ranges (N.Tunisia)</td>
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<td>B. Djebbi, K. Ben Boubaker, S. Kharbach, S. Mitr and N. Dkhaili</td>
<td>M. M. Ben Slama, M. F. Ladeb, M. Ben Youssef, F. Zargouni and M. Ghanmi</td>
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<tr>
<td>12h05</td>
<td><strong>T10.06</strong> Unitization agreement, Zarat discovery case</td>
<td><strong>T5.06</strong> Integrated rock physics, seismic attributes and forward modeling</td>
<td><strong>T2.06</strong> The dynamic evolution synthesis of Tunisian Atlas from Permian to present and petroleum application</td>
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<td>M. Idoudi, I. Jabloun and Z. Touiti</td>
<td>for the characterization of the Abiod reservoir over the Northern part of the Miskar field Tunisia</td>
<td>H. Zouari, S. Alyahyaoui, A. Zouari, H. Mzali, W. Cherif and F. Belghouthi</td>
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<td>M. Nejmaoui, I.Demni, K. Sebei, M. H. Inoubli and M. Brahmi</td>
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<tr>
<td>12h30</td>
<td><strong>T10.07</strong> Nawara project Y. Mestiri, T. Bouabdelli and C. Cox</td>
<td><strong>T5.07</strong> Reservoir Model Tuning using Flow Scan Imager Technology in the Hasdrubal field, Offshore Tunisia</td>
<td><strong>T2.07</strong> Reappraisal of Aptian-Albian transition from El Kef area: influence of the Cretaceous tectonics in the sedimentary basins configuration of northern Atlas of Tunisia.</td>
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<tr>
<td>13h00 - 14h00</td>
<td><strong>T10.08</strong> Zarat development project Y. Mestiri, M. Bougacha and P. Elstone</td>
<td><strong>T5.08</strong> Challenges of modeling volatile oil reservoir (case study: Fushia prospect) S. B. Suwono and E. Y. Wibowo</td>
<td><strong>T2.08</strong> The study of the natural fracturing and its impact on reservoir quality of the early Eocene Bou Dabbous limestones in the north eastern part of Tunisia M.K. Chemingui, M. Rabhi, S. Bey and N. Boukadi</td>
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### THE PROGRAM

#### Session 3: 14h - 16h05

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<tr>
<td>14h00</td>
<td><strong>Theme 11</strong>&lt;br&gt;Unconventional resources&lt;br&gt;Chairmen: Athmane Rahmani - SONATRACH&lt;br&gt;Philippe Bertrand - CGG</td>
<td><strong>Theme 12</strong>&lt;br&gt;HSSE and development changes&lt;br&gt;Chairmen: Ridha Dhaoui - Petrofac&lt;br&gt;Mohamed Kalfat - Winstar</td>
<td><strong>Theme 9</strong>&lt;br&gt;Field development and Enhanced recovery&lt;br&gt;Chairmen: Adrian Burrows - Circle Oil&lt;br&gt;Lassaad Chih - FSB</td>
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<td>14h09</td>
<td>T10.09&lt;br&gt;Shale Gas For Tunisia&lt;br&gt;T. Fletcher</td>
<td>T13.09&lt;br&gt;Tier II Oil Spill Response Centre&lt;br&gt;Y. Mestiri and H. Mejri</td>
<td>T9.09&lt;br&gt;LWD technology new-generation for Geosteering and reservoir characterization&lt;br&gt;H. Haddou</td>
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<td>15h00</td>
<td>T11.10&lt;br&gt;Silurian – Devonian of the oriental Algerian Sahara: Implication of new field, data from Tassili N’Ajjer outcrops and Berkine Basin (SE, Algeria) for shale gas exploration. H.Djouder, F. Boukvain, A. Da Silva; P.Cornet and S. Lüning</td>
<td>T13.10&lt;br&gt;Zarzis oil spill drill&lt;br&gt;H. Mejri and Y. Mestiri</td>
<td>T9.10&lt;br&gt;Hasdrubal integrated asset modelling for better reserves evaluation and project planning&lt;br&gt;Ch. Chiboub, S. Baggio, E. Lemkeche rand M. Ben Amara</td>
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<td>15h15</td>
<td>T11.11&lt;br&gt;Oil and gas shale from radioactive Tannezuft and Fegaguira formations, Ghadames and Chotts basin&lt;br&gt;A. Belhaj Mohamed, M. Saidi, I. Bouazizziand M. Soussi</td>
<td>T13.11&lt;br&gt;Oil tracking accident management, BBT and ENI cases&lt;br&gt;B. Ben Hassine</td>
<td>T9.12&lt;br&gt;Contribution of Logging Techniques to EOR Projects. M. Tchambaz</td>
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<td>15h40</td>
<td>T11.12&lt;br&gt;Potential unconventional gas and oil resources and impact on the Tunisian energy balance and economy&lt;br&gt;A. Gaaya</td>
<td>T13.12&lt;br&gt;Scale down Risk Level&lt;br&gt;H. Hbaili</td>
<td>T9.13&lt;br&gt;Smart completion wells, the future oil fields management solution – i fields&lt;br&gt;S. Chaabani</td>
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<td>16h05</td>
<td>16h05 – 16h40: Coffee break - Sponsored by Schlumberger -</td>
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<td>Time</td>
<td>Session 3: 16h40 - 18h20</td>
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<td>17h05</td>
<td><strong>T1.15</strong> Expanding potential in the Tunisian offshore A. J. Burrows and R. Sandman</td>
<td><strong>T4.15</strong> Ordovician reservoirs characterization in South Tunisia S. Ben Alaya, M. S. Ben Reguiga</td>
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<td>17h30</td>
<td><strong>T1.16</strong> Hydrocarbon Potential of the Chenini Bloc (E9) Southern Gulf of Gabes, Tunisia S. Mokaddem, S. Haddad, A. Draoui, N. Barhoumi and L. Salmouna</td>
<td><strong>T4.16</strong> Biotratigraphy-sedimentology calibration of shallow water Aiptian carbonates in central Tunisia E. Saidi, A. Nasri, F. El Ferhi, S. Ben Alaya, A. Skanji and M. Yaqoubi</td>
<td><strong>T3.15</strong> Basins evolution, structural and sedimentary development and exploration potential of the Central and Southern part of the Gulf of Gabes (Ashtart and Jeffara basins) A. Nasri and A. Ben Salem</td>
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<tr>
<td>17h55</td>
<td><strong>T1.17</strong> The Zaafrane discovery - from imagination to imaging M. Van Rees</td>
<td><strong>T4.17</strong> Petroleum systems and prospectivity of the Jurassic carbonate reservoir in Central West Tunisia M. Lazzez and A. Boulares</td>
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### Session 1: 09h00 - 10h40

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<td>09h00</td>
<td>Theme 6: Reservoir Geophysics &lt;br&gt; Chairman: Zul Anwar, Medco Energy, Ridha Ouachi, Topic</td>
<td>Theme 5: Reservoirs Engineering, Modeling and Management &lt;br&gt; Chairman: John Bridges, Anadarko, Slim Skik, TPS</td>
<td>Theme 7: Geophysical Methods: New Technologies and Applications &lt;br&gt; Chairman: Noureddine Masmoudi, Numhyd, Abdelmajid Ben Tanfous, SEREPT</td>
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<td>09h25</td>
<td>T6.01 Enhanced velocity modeling and depth conversion in Sfax exploration permit &lt;br&gt; M. Elleuch, M. H. Acheche, S. Gamaoun</td>
<td>T5.01 AOPF estimation of a gas well with the aid of a Formation Tester in the absence of OH data &lt;br&gt; J. Zaggas, D. Loi, T. Ben Haoua</td>
<td>T7.01 Challenging Operation: 3D Seismic acquisition in Sfax Offshore exploration permit &lt;br&gt; J. Hoffman, M. Elleuch, S. Gamaoun</td>
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<td>09h50</td>
<td>T6.02 Seismic reservoir characterization qualifying seismic as a reliable technology for conditioning geomodels: A case study from the Hassdrubal field, Tunisia &lt;br&gt; A. J. S. Wilson, R. Chaabouni, S. Ghamari, A. Amiri, C. Chiboub, N. Dkhaili</td>
<td>T5.02 The Middle Ordovician Bir Ben Tartar reservoir: calculation of initial water saturation using J function and calibration with Log Data (Case Study: BBT Field, Northern Part of Ghadames Basin - Tunisia) &lt;br&gt; C. Moujibani, S. bin Suwono, N. Boussoffara, M. Fakhrur Razi, L. Fourati, Z. Anwar</td>
<td>T7.02 Maximizing information content of seismic data through optimized acquisition design: a case history from South Tunisia &lt;br&gt; P. Herrmann, M. Pastori, M. Bata, A. Masciarelli, G. Tortini, F. Pradalië, T. Bianchi, H. Millet, S. Trabelsi, W. Oueslati</td>
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<td>10h15</td>
<td>T6.03 Seismic stratigraphy interpretation using seismic attributes from pre and post stack seismic inversion; carbonate and siliciclastic case studies &lt;br&gt; S. Nabil, F. Lechani, A. Jedidi</td>
<td>T5.03 Maximizing the utilization of well log data to deliver realistic permeability model by combining Neural Network and geostatistical approach (Case Study: BBT Field, Tunisia) &lt;br&gt; S. bin Suwono, Nouha, M. Fakhrurkazi, M. Charfeddine, L. Fourati, Z. Anwar</td>
<td>T7.03 Non-Seismic methods as tools for lithological discrimination and hydrocarbon exploration in Tunisia &lt;br&gt; M.H. Inoubli, O. Abidi, A. Rabia, A. Amiri, I. Hamdi</td>
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<td>T6.04 3D porosity prediction of El Gueria reservoir using Seismic Acoustic P-Impedance in Ashtart Field &lt;br&gt; M. H. Kallel, N. Drissi</td>
<td>T5.04 Integration of the formation evaluation data for the evaluation of hydrocarbon potential of Zaafarine permit &lt;br&gt; K. Romdhani</td>
<td>T7.04 “Hot Shales” seismic characterization in the Tannezuft Formation, Tunisia &lt;br&gt; A. Amato del Monte, E. Antonielli, G. Gambaccorta, V. De Tomasi, E. Paparozzi</td>
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10h40 -- 11h15: Coffee Break - Sponsored by Schlumberger -
## The Program

### Session 2: 11h 15 - 12h 55

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Samir Kharbachi - PA Resources | **Theme 5** Reservoirs Engineering, Modeling and Management  
Chairmen: Taoufik Bouabdelli - ETAP  
Mohamed Hedi Negra – FST Tunis | **Theme 8** Drilling, Completion Technologies and Operation Managements  
Chairmen: Hamdi Bahrini - OMV  
Rached Hachemi – ETAP |
| **T7.05**  
L’enjeu des corrections statiques en milieu désertique  
F. Hanot and F. Miquelis | **T5.05** Multidisciplinary approaches to understand the dynamic behavior of El Gueria reservoir in Ashtart Field.  
S. Chaieb | **T8.05** Interactive well testing using a new acoustic telemetry system  
A. E. Mengen |
| **T7.06** Subsurface geology of the northern east of Tunisia by means of gravity field analysis. Petroleum implication  
B. Sarsar, R. Guellala and M. H. Inoubli | **T5.06** Integrated subsurface uncertainty modelling for Abiod reservoir at Miskar field  
Ch. Chiboub, S. Baggio, E. Lemkecher and M. Ben Amara | **T8.06** Produced water management and Zero liquid discharge  
A. Ben Haj Hamida |
| **T7.07** Contribution of seismic inversion techniques to tight, unconventional and complex projects  
H. Gabtni and C. Jallouli | **T5.07** Computation of PVT parameters applying empirical correlation move to T5  
K. Rahuma, A. Jbali, A. Shaban and S. Almahi | **T8.07** Artificial lift control technologies in Gassy conditions  
K. Ben Boubaker |
| **T7.08** Using optical fiber seismic acquisition for well-to-seismic tie & new method of Q-factor estimation applied to optical fiber VSP data  
P. Bettinelli, J.C. Puech and B. Frignet | **T5.08** Interpretation of Driftstem Tests of gas reservoirs with deep filtrate invasion  
W.R. Hugh, A. ben Salem and M. Abdelkader | **T8.08** TEG unit in natural gas dehydration design, simulation, optimization and comparison with Ranque-Hilsh vortex tube  
A. Iyadh Yahya |

### Wednesday 28 October 2015

12h30 - 12h55: Luncheon - Sponsored by BG - TUNISIA
## THE PROGRAM

### Session 1: 14h00 - 15h40

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<td>Repercussions of the dolomitization of the fractured Middle Turonian Bireno platform, central Tunisia H. Haj Ali, E. Essifi, J. Touir and C. Yaich</td>
<td>Porosity modeling using the acoustic impedance trend for the Elyssa field Bireno reservoir F. Touhami and S. Kharbachi</td>
<td>Ifrikya II, Ashtrat FSO deconnection project Mohammed Bougacha</td>
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<td>14h25</td>
<td>T4.10</td>
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<td>T4.11</td>
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<td>T8.13</td>
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<td>Contribution of charophytes and ostracods to the stratigraphy of the Aptian-Albian continental deposits (Kebar Fm) from Central Tunisia: Paleogeographic implication K. Trabelsi, M. Soussi, J. Touir, C. Martin-Closas and B. Sames</td>
<td>Seismic attributes for faults delineation in Miskar field F. Ouakad, I. Demni and M. Ghanmi</td>
<td>Contribution of reservoir characterization seismic attributes Ezzouaia field Jurassic M’Rabtine Member case study N. Dkhaili</td>
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<td>15h15</td>
<td>T4.12</td>
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<td>Aptian carbonate production of the Southern Tethyan margin, Central Tunisia: Platform evolution and staking patterns N. Ben Chaabane, F. Khemiri, M. Soussi, H. Troudi, A. Ouachi and A. Mezki</td>
<td>Contribution of Seismic Inversion Techniques to Tight, unconventional and complex Projects F. Zeghbib</td>
<td>Meta-attributes and neural network utility to detect geological features and reservoir properties of the Aptian Serdj dolomitic reservoir In Kaboudia permit A. Guizani</td>
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<td>T6.13</td>
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<td>Thin bed characterization and thickness prediction using integrated forward modeling and seismic attributes M. W. Boudiga</td>
<td>Improvement of reservoir characterization seismic attributes: Ezzouaia field Jurassic M’Rabtine Member case study N. Dkhaili</td>
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### 16h - 16h15: Coffee break - Sponsored by Schlumberger -

### 16h15 - 16h40: Closing Ceremony
## TECHNICAL PROGRAMME DETAILS

### Poster Sessions

**SESSION I : 09h00-18h00  October 27th, 2015**

**Emerging Frontiers : Exploration challenges and prospectivity in Tunisia/ Organic geochemistry, Basin Modeling and petroleum systems/ Field development and Enhanced recovery / Oil & Gas projects managements**

**Chairmen: A. Amri, A. Boukadi, C. Gourmelin and A. Rigane**

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<td>Gulf of Hammamet hydrocarbon prospectivity</td>
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<td><strong>P2</strong> : R. Ben Rabah-Lazzez, A. Hammami, S. Boudriga, C. Aroua and D. Samaali</td>
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<td>Petroleum prospectivity of Bou Dabbous carbonate reservoir in Cap Bon Peninsula, North Eastern Tunisia</td>
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<td><strong>P3</strong> : H. Dhahri</td>
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<td>Ouedhriet open acreage hydrocarbon potential</td>
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<td><strong>P4</strong> : L. Salmouna, S. Haddad, N. Barhoumi, A. Draoui and S. Mokaddem</td>
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<td>Petroleum system and prospectivity of BorjAghir Bloc South-Eastern Tunisia</td>
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<td><strong>P5</strong> : E. El Chahtour and A. Belhaj Mohamed</td>
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<td>Petroleum system and Hydrocarbon prospectivity of the onshore Chanchou open block</td>
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<td><strong>P6</strong> : A. Guizani</td>
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<td>Velocity analysis and depth conversion in the offshore Kaboudia permit</td>
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<td><strong>P7</strong> : S. Athimni, F. Khemeri, F. Melki, F. Zargouni and H. Troudi</td>
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<td>Outcrop to subcrop analog in naturally fractured reservoirs. Case study: Chalky limestone of Abiod formation; Campanian-Maastrichtian of Central Tunisia</td>
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<td><strong>P8</strong> : Y. Jazzar, S. Aridhi, F. Khemiri and M. Ghanmi</td>
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<td>Hydrocarbon Prospectivity in Jeffara onshore basin, south eastern Tunisia</td>
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<td><strong>P9</strong> : E. Saidi and D. Zaghib-Turki</td>
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<td>Prediction of the Abiod reservoir’s top in Northern Tunisia applying a high resolution foraminiferal biostratigraphy</td>
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<td><strong>P10</strong> : A. Hammami and N. Miloudi</td>
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<td>Characterization of Albian Source rock at Jebel Djejeh, Fkirine area correlation with oil seeps</td>
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<td>Etude des roches mères de la région d’Ejahf et détermination des indices de pétroles associés</td>
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<td><strong>P15</strong> : S. Mahmoudi, A. Belhaj Mohamed, M. Saidi and F. Rezgui</td>
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<td>Organic geochemistry and petroleum potential evaluation of Silurian sediments from the Ghadames Basin, Tunisia</td>
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<td><strong>P16</strong> : A. Hadded, A. Belhaj Mohamed, M. Layeb, M. Saidi and B. Mannai-Tayech</td>
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<td>The Bahloul Formation in the Tunisian Sahel Basin: Geochemical and mineralogical Insights</td>
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P17: S. Boughannmi, A. Belhaj Mohamed, A. Mabrouk - Asmi, I. Bouazizi and M. Saidi
Oil-oil correlations and oil-source rocks correlations in the El Bibane region: inferred hydrocarbon maturation and generation via 1D modeling

P18: S. Gmiha, M. Saidi, A. Mabrouk-El Asmi, A. Belhaj Mohamed and I. Bouazizi
Petroleum system assessment of the ISIS Permit: From source rock and oil characterization to 1D modeling of hydrocarbon generation

P19: I. Chalwati, A. Nasri & N. Boukadi
Architecture et intérêt pétrolier des structures profondes des membres carbonates Douleb et Bireno dans le bassin d’Ashtart

P20: M. Ben Jrad, A. Belhaj Mohamed, S. Riahi, I. Bouazizi, M. Saidi and M. Soussi
Geochemistry, origin correlation of oil seeps in Abiod formation in thrust belt zones, northwestern Tunisia

P21: M. Bouin, S. Riahi, A. Belhaj Mohamed, I. Bouazizi, M. Saidi and M. Soussi
Source rock potential of the Oligocene-Miocene Numidian Flysh in northern Tunisia

P22: S. Lakhdhar, A. Mabrouk-El Asmi, A. Belhaj Mohamed, I. Bouazizi and M. Saidi
Geochemical evaluation of the Lower Fahdene, the Bahloul and the Bou Dabbous formation in the Northern Gulf of Gabes: inferred source rock maturity and reservoir oil impregnation

P23: M. Kotti, F. Hamouda, M. Ghanmi and A. Boulares.

P24: H. Bejaoui, S. Aridhi, F. Melki and F. Zargouni
Evolution of the northeastern tertiary basins of Tunisia in response to sinistral strike-slip motion along the complex and often step-like ancient faults of El Alia-Teboursouk (Bizerte area).

P25: R. Chhiidi, A. Skanji, D. Tanfous, M. Saidi and M. Soussi
Geo-Oil characterization by 1D basin modeling of the Paleozoic-Mesozoic Series of southern Tunisia (Ghadames-Jeffara Basin)

P26: H. Negra
The stratigraphic and structural relation between the Mesozoic aquifer of Southern Chotts basin of Tunisia and the Paleozoic petroleum system

P27: S. Idriss, S. Bouaziz and R. Smouei
Subsidence, thermal evolution and hydrocarbon maturation in the Chotts basin [Southern Tunisia]: Contribution of modeling with use of Basimmod software

Theme 9: Field development and Enhanced recovery

P28: P. Grech, A. Le Blanc and R. Aquilini
Reinvigorating small fields

P29: H. Al Saadi, L. Mucharam, Z. Anwar, M. Mirza and W. Nugroho
Case study in Middle East, Improve heavy oil production and recovery by reservoir modification as alternative technology

P30: M. Al Raqmi, H. Al Saadi and M. Mirza
Horizontal well steam stimulation: A pilot test in southern Oman

Theme 10: Oil & Gas Projects Managements

P31: M. Samcha, N. Smiri and A. Boukadi
Estimation and quantification of vented gas from oil storage tanks

Theme 13: HSSE and Development Changes

P32: B. Ben Hassine
The activities of ETAP’ HSSE department

P33: S. Barbouchi
Evaluation of produced water pipes mineralogical scaling in the central Tunisia oil field

P34: S. Ben Jemaa, A. Kallel, B. Neifar and F. Rekhiss
Multi-scenario risk assessment modeling: Case Study of site Guebiba-TPS, Stax, Tunisia
SESSION II: 09h00-18h00  October 28th, 2015

Tectonic and structural geology/ Reservoirs stratigraphy and Sedimentology/ Reservoirs Geophysics/ Geophysical methods: New technologies and applications/ Drilling, completions technologies and operations managements/GIS & data management

Chairmen: A. Jiajila, R. Marouani, F. Hammouda and S. Fellah

P1: A. Arbi, F. Khemiri and M. Bedir
North Kairouan deep shears kinematics: rhegmatic system's associated structures

P2: S. Alyahyaoui and H. Zouari
Structural study of Messelitine sector (MenzelBourguiba-Mateur region) after integrating geological and geophysical data: research potential petroleum reservoir

P3: M. Jabri, M. Ghanmi and F. Ben Mbarek
Comprehension of Jebel Bou Daddou structure using gravimetry

P4: R. Aziz and L. Chihi
Syn-Neogene extensional tectonics in the North-East of Tunisia: Geodynamic implications

P5: A. Hammami-Bouafia and A. Belhaj Mohamed
Structural setting and petroleum prospectivity of El Fahs area

P6: A. Zouari, H. Zouari and M. Ghanmi
The dynamic evolution of the Mateur region (North of Tunisia) from Miocene to the present and petroleum application

P7: G. Ben Brahim and M. H. Inoubli
Geodynamic records on hiatuses and carbonate platforms in the Eastern offshore Tunisia, using 2D seismic analysis

P8: A. Ammari and C. Abbes
Geometrical Properties And Scales Laws Of The Fracturing Network Of Ypresian Limestones With Nummulites In J. Ousselat (Central Tunisia) permit

P9: H. Mouakhar, A. Belkahla, H. Gabtni, T. Cavailles and J. Verges
Structural framework and basin architecture using gravity modelling in Fkirine and Djebibina area, Fkirine Exploration Block, Northern Tunisia

P10: N. Mahmoudi, F. Ferhi and L. Chihi
Etude Tectonique et microtectonique du graben Sers (Tunisie Septentrionale)

P11: N. Ben Salem
Geodynamic evolution of the Kairouan basin during Cretaceous and Tertiary deduced from 2D seismic interpretation and well log correlations: Implication in petroleum exploration

P12: M.A. Ghanmi
Aptian-Albian transition in Central Southern Atlas of Tunisia: Tectono-sedimentary evolution

P13: S. Idriss, C. Raulin and S. Bouaziz
The regional gas/salina fault system: internal architecture, paleogeography control and implication for fluid flow.

Theme 4: Reservoirs stratigraphy and Sedimentology

P14: R. Boumaya, M. Gasmi and M. H. Kallel
Delineation of the Ketama/Lower Salammbbo Transition: The Ashtart Field case using 3D seismic survey

P15: F. Belghouthi and M.H. Negra
Sedimentary characters and reservoir aspects of the Campanian/Maastrichtian Abiod carbonates in the Mateur-Sedjenane area, Northwest of Tunisia

P16: A. Klibi, A. Bel Kahla, M.R. Chebbi, B. Lonoy and M. Soussi
Sedimentological study and reservoir characterization of the Aptian carbonate Platform in Fkirine area. Implications for hydrocarbon exploration

P17: M. M. Ben Farah, M. H. Negra and S. Ben Alaya
The Ypresian El Gueria pore system in the central part of the Gulf of Gabes

Theme 6: Reservoirs Geophysics

P19: A. Guizani
Structural Interpretation and Faults Mapping using seismic attributes and Neural Network of A 3D Post-stack Seismic Survey in Offshore Kaboudia permit

P20: B. Ben Rejeb and M. Alioui-Ben Chelbi
Applying filters and seismic attributes for enhancing fault interpretation

P21: M. W. Boudegga
Thin bed characterization and thickness prediction using integrated forward modeling and seismic attributes
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<td>A. Jedidi, F. Lechani and Nabil S.</td>
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<td>Élaboration des cartes structurales et géologiques par l’approche télédétection et SIG. Etude de cas dans le bassin molassique de Kéchabta (NE de la Tunisie)</td>
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<td>P33</td>
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<td>Structural investigation of Ghadames basin by integrated remote sensing and subsurface data</td>
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CARTHAGE THALASSO HOTEL

MAIN AREAS OF ACTIVITIES
GUIDELINES FOR ORAL AND POSTER PRESENTATIONS

ORAL PRESENTATION

Speakers have 20 minutes for oral presentation to be followed by five (05) minutes for discussions.

Two (2) screens, two (2) slide projectors will be available. Speakers who wish to use PC-based projection will be provided with one electronic projector and access to one (01) screen:

• Hardware : Any personal computer compatible with the supplied projector equipment with 220 volt AC.

English will be the working language during the conference. French can also be used. A simultaneous translation will be provided during the oral sessions in the three (03) rooms.

Please note that a good pace is usually one minute per graphic, so speakers are advised to limit their presentation to about 20-25 graphics.

All oral speakers, poster presenters and Session Chairmen are kindly invited to attend the speaker’s Morning Breakfast in the Carthage Thalasso Hotel from 7H30 to 8:30 AM on 27th or 28 October 2015.

POSTER PRESENTATIONS

Poster presenters will be in their booth at least two (2) hours during their session and also during the Coffee Break. They will be provided with the needed number of display surfaces (1m x 1m each).

GUIDELINES FOR SESSION CHAIRMEN

Session Chairmen should insure a complete adherence to the schedule of the oral and poster presentations. They are encouraged to contact the speakers during morning breakfast before their session and report any anticipated changes to the chairman’s coordinators or the secretariat. During the oral session, they should introduce the speaker to the audience (a short biography will be provided prior to the session) and do not interrupt him until 2-3 mn before the allocated 20 minutes.

If the speaker extends his presentation to the full allocated time (25 mn), no questions will be allowed. Chairmen are requested to fill in «Evaluation Form» for each presentation and forward them to the chairman’s coordinator or the conference secretariat.

In case an oral presentation is cancelled, the chairmen should invite the audience to move to the other rooms or visit the exhibition and resume the session as scheduled.

Poster session chairmen are invited to be present in the poster area according to the program. They have to proceed for a 15 mn presentation and 10 mn discussion.

PUBLICATION

A selection of the full texts will be published within the Conference Proceedings, in ETAP memoir series. The evaluation forms, which will be completed by the session chairmen, will be used by the Scientific Committee to confirm the best papers for publication.

THE EXHIBITION

The Exhibition will be held from Monday October 26th, through Wednesday October 28th, 2015 simultaneously with the 13th Tunisian Petroleum Exploration & Production Conference.

The Exhibition will be held in the Exhibition area, of the Carthage Thalasso Hotel, Gammarth, Tunis.

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<tr>
<td>Monday, October 26th, 2015</td>
<td>from 17:30 to 20:00</td>
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<tr>
<td>Tuesday, October 27th, 2015</td>
<td>from 09:00 to 18:00</td>
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<tr>
<td>Wednesday, October 28th, 2015</td>
<td>from 09:00 to 16:00</td>
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TECHNICAL EXHIBITION

Exhibitors List: The following companies have booked their booth:

- GEOSEIS
- NOY
- CGG
- ONM
- EAGE
- Schlumberger
- ETAP
- GEOREX
- SOTULUB
- TPS
EPC 2015 EXHIBITION FLOOR PLAN
THE FIELD TRIP

Fieldtrip F1: The Aptian play in central Tunisia: comprehend the system to

Leaders: Fares Khemiri, Anis belhadj Mohamed (ETAP) & Mohamed Soussi (FST)

Wednesday, 28th of October 2015 18.30h: Departure from the Carthage Thalasso Hotel, dinner in Kairouan
Saturday, 31th March 2015 19.00h: Arrival in Tunis (approximately 20.00h.)

Despite of the discoveries made in central Tunisia, the Aptian play system is still a challenge and more hydrocarbons are still to be found. The aim of this field trip is to see the carbonate reservoir characteristics and facies evolution from the inner to the outer platform passing by the shelf margin. We will focus on genetic relation and geometry of sedimentary packages in response to sea level changes. The field evidence will cover the role of diagenesis in reservoir enhancement especially the exposure related karstification, dissolution and dolomitization. The second object of this field trip is to see the Barremian/Bedoulian “sidi Hamada” and the Albian “Mouelha” source rocks. By the way we will have the opportunity to take a look on the Aptian oil seeps and discuss the Barremian-Bedoulian-Albian/Aptian petroleum system.

For more information please follow this: https://www.google.com/maps/d/edit?mid=zHcElsltK7jQ.kCyXqfPHAfxE

Day Tour Program

Day Tour A1: Tunis Medina – Carthage – Sidi Bou Said
- Date: October, 27th, 2015, Departure from Carthage Thalasso Hotel at 9:00 AM / Return back to Carthage Thalasso Hotel at 02H00 PM.
- Fees: 100 Tunisian Dinars (Including transportation, guide and lunch).
- Limited number: Up to 15 persons
- Dress: Casual dress and walking shoes are appropriate.

Morning: Visit of the Medina and Souks, La Kasbah, the famous Roman ruins in Carthage and the picturesque village of Sidi Bou Said.

Day Tour A2: Nabeul – Hammamet
- Date: October 28th, 2015, Departure from Carthage Thalasso Hotel, 09H00 AM and return back to Carthage Thalasso Hotel at 18H00.
- Fees: 100 Tunisian Dinars (Including transportation, guide and lunch).
- Limit: Up to 15 persons
- Dress: Casual dress and walking shoes are appropriate.

Your journey begins by visiting Nabeul, ancient Neapolis situated 67 Km South East of Tunis, on the South coast near to the Cap Bon peninsula. The town offers an authentic view of the art of pottery and ceramic. After lunch at Hammamet, a visit to the Medina Fort.
THE VENUE

LOCATION OF THE CONFERENCE HOTEL:
Carthage Thalasso Hotel is located in Gammarth, Tunisia, 25 kilometers Northern suburbs of Tunis. Tunis-Carthage International Airport is 15 kilometers from the Carthage Thalasso Hotel.

The hotel is a modern building with traditional arches and porticos, has a 24 hour front desk with multilingual staff, television, free internet access. There is a currency exchange and ATM in the hotel, which also offers laundry facilities and dry cleaning. Parking is secure and complimentary.

Telephone: + 216 71 910 111
Fax: + 216 71 913 140
E-mail: dir.technique@carthagethalassoresort.com
Web Site: www.carthagethalassoresort.com

HOTEL DESCRIPTION
Beautifully positioned on an unspoiled sandy beach on the cotes de Carthage. The Carthage Thalasso Hotel is ideal for a relaxing holiday or a business stay. We invite you to sleep in comfort … in style work in peace and relax in luxury.

MEETING FACILITIES
The Carthage Thalasso Tunis is one of the best equipped conferences venues of the Côtes de Carthage. Our conference and events team offer the opportunity to combine highly effective, perfectly equipped meeting spaces with the most delightful and refresh resort environment.

Choose from 6 attractive and versatile conference and meeting rooms (with a capacity of 1300 people), with audio / visual equipment and distinctive amenities and packages.

EXECUTIVE CLUB
Offering enhanced accommodation, services and privileges to ensure «quality» business and leisure time. All based on one floor.

ACCOMMODATION
The hotel’s luxurious newly renovated rooms and suites are perfectly equipped and a large part of them have extensive view of the sea from their private balcony.

RESTAURANTS
Make our hotel yours with the finest facilities and services:
• La Fontaine: Delightful international buffets
• Le Soleil Soleil: Savour our international specialities
• Le BBQ: A choice of fresh sea food, served on the pool deck from May to September.

AREA ACTIVITIES
Beach – Next door
Hotel to Sidi Bou Said [village] – 8 kilometres
Hotel to Berges du Lac Tunis – 7 kilometres
Hotel to Carthage (archaeological site) – 10 kilometres
Hotel to Old Medina, Down town Tunis – 28 kilometres

OTHER HOTELS
The main other accommodation hotels for the guest participants are:

- Sheraton (Tunis)
  Phone: 216 71 782 100 - Fax: 216 71 782 208
- Ramada (Gammarth)
  Phone: 216 71 912 000 - Fax: 216 71 911 442
- Golden Tulip (Gammarth)
  Phone: 216 71 910 000 - Fax: 216 71 913 913
- Rigency (Gammarth)
  Phone: 216 71 910 900 - Fax: 216 71 912 020
- The Residence (Gammarth)
  Phone: 216 71 910 101 - Fax: 216 71 910 144
- Barcelo’ Carthago Thalasso (Gammarth)
  Phone: 216 71 911 100 - Fax: 216 71 910 041

Business Meetings
A meeting room at the conference centre will be available to the participants for their business contacts and meetings. Reservation of the meeting room can be made at the secretariat.

IT Service
Fax and E-mail will be available for the participants at the secretariat.

Banking
The exchange rate for one (1) $ US is 1.98 Tunisian Dinar (TD), also one (1) Euro is around 2.2 Tunisian Dinar (TD).

Normal opening time for the banks is 08H00 – 16H00 (non stop). Currency exchange can also be made at most hotels, at slightly smaller f
EPC 2015 ORGANIZED BY ETAP

The Following companies are sponsoring the EPC 2015 as follow:

**GOLD**

BG TUNISIA  
Anadarko Petroleum Corporation  
Schlumberger  
Petrofac  
mazorine energy  
PERENCO  
CGG

**SILVER**

WINSTAR TUNISIA BV  
DNO
Tunisia at the Cross Roads of the Mediterranean; Gros Roads of civilisation

Tunisia is located at the cross roads of the Mediterranean. Seven of its cultural sites are included in the «World Heritage List». These are Carthage, the Medina of Tunis, Sfax, Sousse and Kairouan, the El Jem amphitheater, Kerkouane and the site of Dougga. The Ichkeul Natural Park also belongs to the World Natural Heritage.

The city of Tunis, the capital, offers the visitor a wide choice of cultural, leisure and sports activities. All the principal hotels put on concerts, exhibitions and discotheques, and offer facilities such as swimming pools, tennis courts and shops. The Autumn warm weather during October (20 - 25°C) may allow for a short escape to nearby beaches.
CARTHAGE THALASSO HOTEL
EVACUATION PLAN