

EPC'2015



PROGRAMME & CATALOGUE

# The 13<sup>th</sup> 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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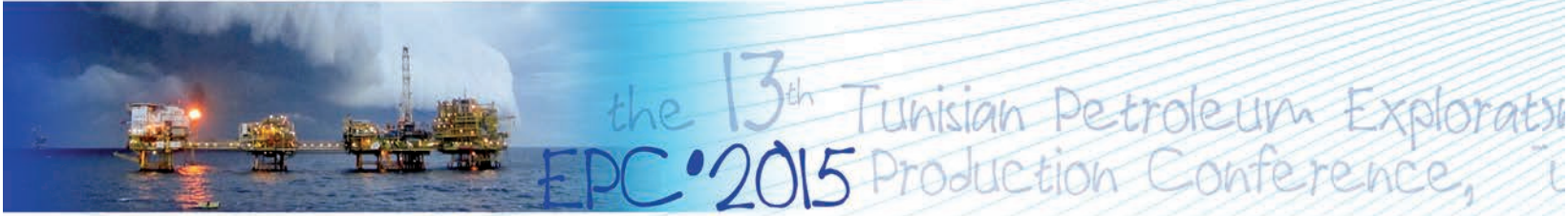


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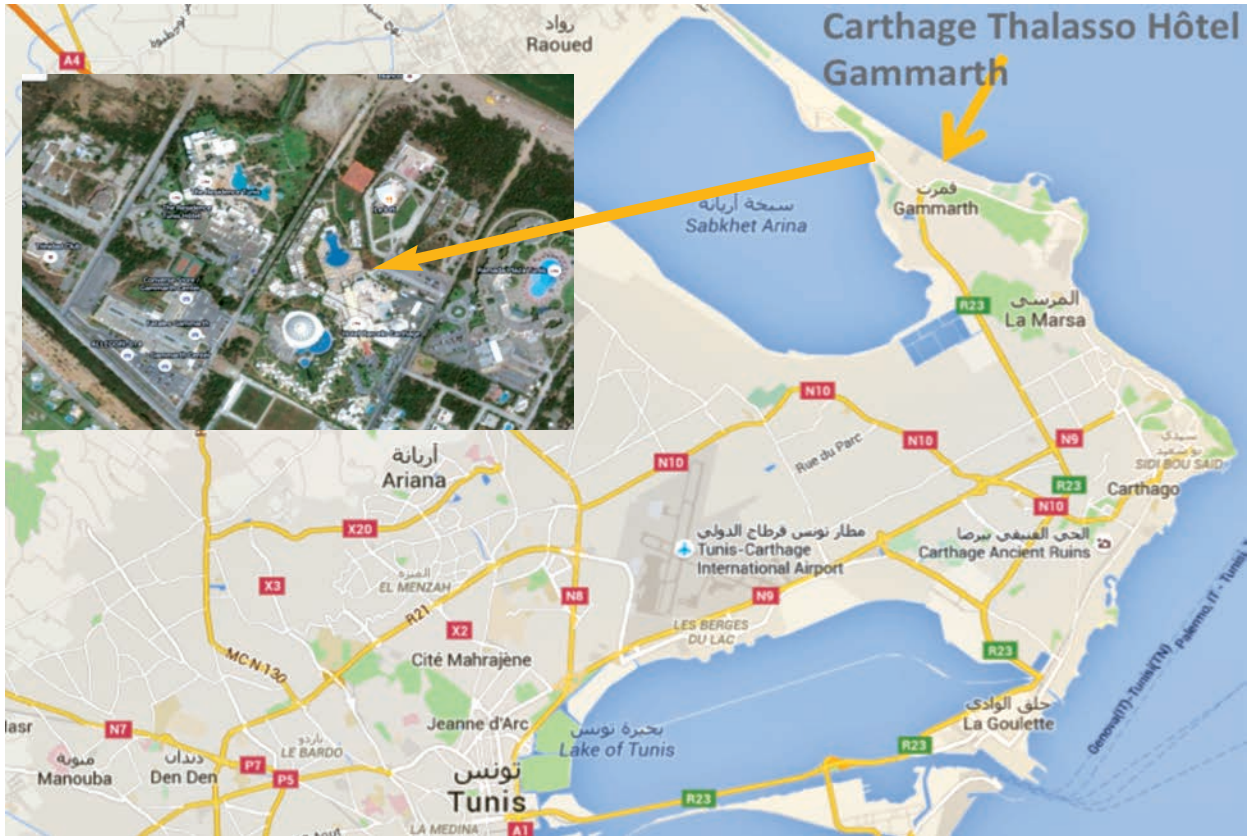


Tunisian National Oil Company  
المؤسسة التونسية للأنشطة البترولية

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## TUNIS MAP AND CARTHAGE THALASSO HOTEL LOCATION





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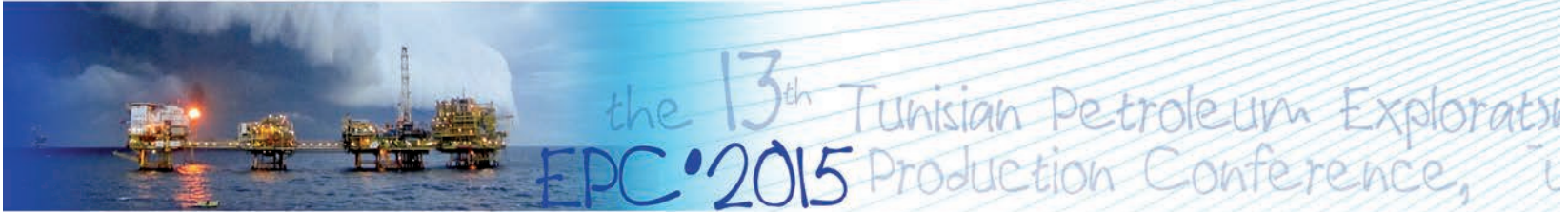
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## ABOUT THE EPC 2015

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 strength Tunisia position and opportunities for more oil and gas production.





**Mohamed AKROUT**  
President & CEO of  
ETAP

## 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 man kind 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 leading 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.



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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 benefiting 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.

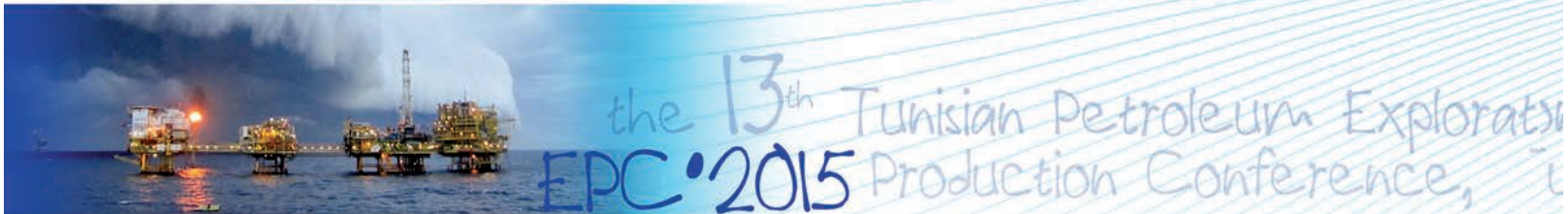
On behalf of the participants, I should like to thank all actors in our oil industry for their support, as well as the EPC Organizing Committee with whom they have worked closely over the past year. Similar appreciation is due to the sponsors, who have provided financial support and other assistance.

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 MANAGERMENTS

**THEME 9 :** FIELD DEVELOPMENT AND ENHANCED RECOVERY

**THEME 10 :** OIL & GAS PROJECTS MANAGERMENTS

**THEME 11 :** UNCONVENTIONAL RESOURCES

**THEME 12 :** HSSE AND DEVELOPMENT CHANGES

**THEME 13 :** GIS AND DATA MANAGEMENT





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## 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.

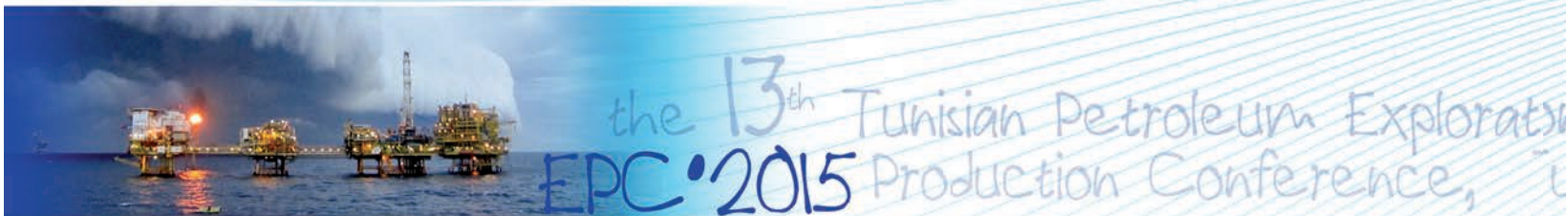
We are confident that EPC 2015 will achieve technical excellence towards a better understanding of the Tunisian petroleum geology and more E&P opportunities.

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

<b>Chairman :</b>	Yassine MESTIRI
<b>Coordinator :</b>	Abdelaziz MESKINI
<b>Coordinator Assistant :</b>	Chokri EL MAHERSSI
<b>Support Committee :</b>	Taoufik BOUEBDELLI Rached HACHEMI
<b>SPONSORING &amp; EXHIBITION :</b>	Jalel SMAOUI & Chokri EL MAHERSSI
<b>TECHNICAL ADVISORY COMMITTEE :</b>	Fraj HAMMOUDA
<b>Members:</b>	Mounir FERJAOUI, Habib TROUDI, Moncef CHEBBI, Amel BOUKADI, Hiba LATIRI, Majdi EL AKREMI, Rachid MAROUANI, Ali JLAILIA
<b>FIELD TRIPS :</b>	Moncef SAIDI
<b>Members:</b>	Fares KHEMIRI, Ahmed NASRI, Anis BELHAJ MOHAMED, Sofiene HADDAD, Faycal FERHI
<b>LOGISTICS &amp; SOCIAL PROGRAM :</b>	Faouzi KRAIEM
<b>Members:</b>	Faouzi BEN AYED, Slim HALFAOUI, Mounir ZAKRAOUI
<b>MEDIA &amp; COMMUNICATION :</b>	Marouene ALLEGUE
<b>Members:</b>	Jalel SMAOUI, Abdelaziz MESKINI
<b>INFORMATION TECHNOLOGY (IT) :</b>	Mohamed Ali KHELIL
<b>Members:</b>	Safouene LEJRI
<b>DAILY NEWS :</b>	Chokri EL MAHERSSI
<b>Members:</b>	Nourane BOUAJILA, Hiba IMATIRI, Ahmed NASRI, Chiheb BELGUITH, Mouna AYED,
<b>PUBLICATION &amp; PRINTING :</b>	Fethia LANSARI
<b>Members:</b>	Salman JEDLI, Salma MOKADEM, Ali BECHILAOU
<b>FINANCIAL:</b>	Belgacem HARRABI, Haifa BELLAOUIS





## 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







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## 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

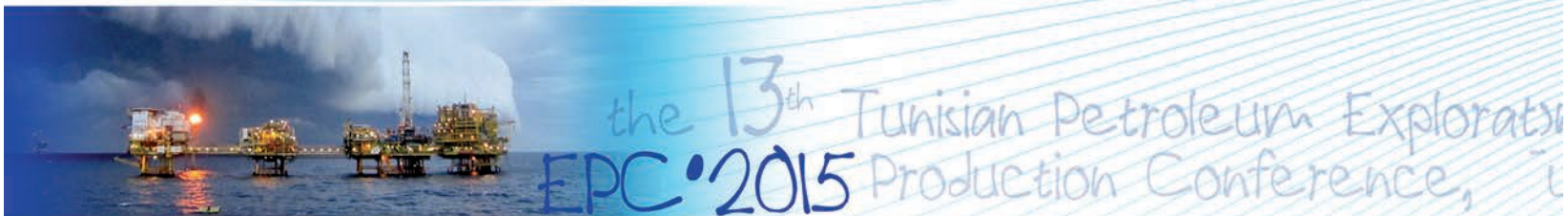
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## The EPC 2015 AT GLANCE

### DAY 2

Tuesday, October 27th, 2015

8:30 – 18:00	Conference and Field Trip Registration at the Reception of Carthage Thalasso Hotel-Gammarth, Tunis	
9:00 – 18:00	Exhibition	(Exhibition Center )
9:00 – 18:00	Technical Posters	(Carthage Thalasso Hotel Hall)
9:00 – 10:40	Technical Session I	(Conference Room Carthage I)
9:00 – 10:40	Technical Session I	(Conference Room Carthage II)
9:00 – 10:40	Technical Session I	(Conference Room Carthage III)
10:15 – 12:55	Technical Session II	(Conference Room Carthage I)
10:15 – 12:30	Technical Session II	(Conference Room Carthage II)
10:15 – 12:30	Technical Session II	(Conference Room Carthage III)
14:00 – 15:40	Technical Session III	(Conference Room Carthage I)
14:00 – 15:40	Technical Session III	(Conference Room Carthage II)
14:00 – 15:40	Technical Session III	(Conference Room Carthage III)
16:15 – 17:30	Technical Session IV	(Conference Room Carthage I)
16:15 – 17:30	Technical Session IV	(Conference Room Carthage II)
16:15 – 17:30	Technical Session IV	(Conference Room Carthage III)

### DAY 3

Wednesday, October 28th, 2015

8:30 – 16:00	Conference and Field Trip Registration at the Reception of Carthage Thalasso Hotel-Gammarth, Tunis	
9:00 – 16:00	Exhibition	(Exhibition Center)
9:00 – 17:00	Technical Posters	(Carthage Thalasso Hotel Hall)
9:00 – 10:40	Technical Session V	(Conference Room Carthage I)
9:00 – 10:40	Technical Session V	(Conference Room Carthage II)
9:00 – 10:40	Technical Session V	(Conference Room Carthage III)
10:15 – 12:30	Technical Session VI	(Conference Room Carthage I)
10:15 – 12:30	Technical Session VI	(Conference Room Carthage II)
10:15 – 12:30	Technical Session VI	(Conference Room Carthage III)
14:00 – 15:40	Technical Session VII	(Conference Room Carthage I)
14:00 – 15:40	Technical Session VII	(Conference Room Carthage II)
14:00 – 15:40	Technical Session VII	(Conference Room Carthage III)
16:15 – 17:00	CLOSING CEREMONY (Conference Room Carthage I)	

### POST CONFERENCE FIELD TRIP

From Wednesday, October 29th through Saturday, October 31th, 2015.  
(After Closing Ceremony)

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## THE PROGRAM

### TECHNICAL PROGRAMME DETAILS

#### Oral sessions

Session 1: 09h00 - 10h40			
	Conference Room Carthage I	Conference Room Carthage II	Conference Room Carthage III
Tuesday 27 October 2015	<b>Theme 1</b> Emerging Frontiers Exploration challenges and prospectivity in Tunisia <b>Chairmen: Jalel Smaoui - ETAP</b> <b>Giuseppe Cantarella - OMV</b>	<b>Theme 2</b> Tectonic and Structural Geology <b>Chairmen: Tom Fletcher - Anadarko</b> <b>Noureddine Ben Ayed - FSB</b>	<b>Theme3</b> Organic Geochemistry, Basin Modeling and Petroleum Systems <b>Chairmen: Trend Rehill - Winstar</b> <b>Abdellaziz Meskini - ETAP</b>
	<b>T1.01</b> <b>Mega-merge of land data in the South Tunisian desert: A case study</b> F. Pradalie, S. Baillon, T. Rebert, D. Verneau, X. Duwattez, L. Smadja, F. Adouani, G. Cantarella, J. Friha, N. Saidi Ayari, S. Bezdane and J. Orosz	<b>T2. 01</b> <b>Caledonian-Hercynian tectonic regime in Northern Africa: Individualization and originality of the Talezane arch (Tunisia)</b> C. Raulin	<b>T3.1</b> <b>Geological Framework and Hydrocarbon Prospectivity of Jeffara Basin, Tunisia</b> S. Haddad, S. Mokaddem, L. Salmouna, A. Belhadj, A. Draoui and N. Barhoumi
	<b>T1.02</b> <b>Structural styles of poly-phase Triassic halokinetic and thrust tectonic in the Sahel block: Implication on hydrocarbon prospectivity</b> A. Nasri, F. El Ferhi and A. Boulares	<b>T2.02</b> <b>Integrated geological structural analysis and implications for exploration risk mitigation: Case study from Sfax offshore exploration permit, Tunisia</b> M. Hedi Acheche, M. El Euch, C. Reilly, H. Anderson and P. Rourke	<b>T3.4</b> <b>Organic geochemistry of source rocks and oil seeps from Central and Northern Tunisia</b> A. Belhaj Mohamed, M. Saidi, I. Bouazizi, M. Ben Jrad, F. Khemiri, A. Bechalaoui, S. Riahi and M. Soussi
	<b>T1.03</b> <b>New Time to Depth conversion for the Didon field</b> K. Ben Boubaker	<b>T2.03</b> <b>Tectonic inversion of Tunisian basins in the strike-slip margin context. Role of vertical tectonics in oil prospecting</b> A. Rigane and C. Gourmelin	<b>T3.3</b> <b>Prospectivity and play assessment of south western Tunisia</b> F. Khemiri and A. Maazaoui
<b>T1.04</b> <b>Petroleum Geology of Southern Tunisia</b> M. N. Aissaoui	<b>T2.04</b> <b>Evidence of Late Paleozoic to Early Mesozoic transpressive regime in a northern African outcrop: the Tebaga of Medenine</b> C. Raulin	<b>T3.2</b> <b>Tectono-stratigraphic evolution and hydrocarbon habitat of Enfidha area (Fkirine block), North Eastern Tunisia</b> A. Bel Kahla, T. Cavailles, A. Skanji, F. Ferhi, M.R. Chebbi, F. Kjelkenes and J. Vergés	

**Coffee Break: 10h40 to 11h15 - Sponsored by Schlumberger**





## THE PROGRAM

Session 2: 11h 15 - 12h 55				
	Conference Room Carthage I	Conference Room Carthage II	Conference Room Carthage III	
Tuesday 27 October 2015	11h15	<b>Theme 10</b> Oil & Gas Projects Management <b>Chairmen:</b> Robert Sandor -Mazarine Energy Jomaa Friha - OMV	<b>Theme 5</b> Reservoir Engineering, Modeling and Management <b>Chairmen: Edward van Kersbergen - Mazarine Energy</b> Imed Derouiche - Petrofac	<b>Theme2</b> Tectonic and Structural Geology <b>Chairmen</b> Muhammad Hassan Hussain - KUFPEC Samir Bouaziz - ENIS
		<b>T10.05</b> <b>Gulf of Gabes, gas hub</b> M. Bougacha	<b>T5.05</b> <b>Zarat field fracture modeling</b> B. Djebbi, K. Ben Boubaker, S. Kharbachi, S. Mfir and N. Dkhaili	<b>T2.05</b> <b>Basin geometry and salt structures in the Knana/Ragoubet Mahjba ranges (N.Tunisia)</b> M. M. Ben Slama, M. F. Ladeb, M. Ben Youssef, F. Zargouni and M. Ghanmi
	11h40	<b>T10.06</b> <b>Unitization agreement, Zarat discovery case</b> M. Idoudi, I. Jabloun and Z. Touiti	<b>T5.06</b> <b>Integrated rock physics, seismic attributes and forward modeling for the characterization of the Abiod reservoir over the Northern part of the Miskar field Tunisia</b> M. Nejmaoui, I. Demni, K. Sebei, M. H. Inoubli and M. Brahmi	<b>T2.06</b> <b>The dynamic evolution synthesis of Tunisian Atlas from Permian to present and petroleum application</b> H. Zouari, S. Alyahyaoui, A. Zouari, H. Mzali, W. Cherif and F. Belghouthi
	12h05	<b>T10.07</b> <b>Nawara project</b> Y. Mestiri, T. Bouabdelli and C. Cox	<b>T5.07</b> <b>Reservoir Model Tuning using Flow Scan Imager Technology in the Hasdrubal field, Offshore Tunisia</b> J. Velarde, I. Demni, H. Khaldi, B. Gizatulla, A. Ibassov and Z. Akupbekov.	<b>T2.07</b> <b>Reappraisal of Aptian-Albian transition from El Kef area: influence of the Cretaceous tectonics in the sedimentary basins configuration of northern Atlas of Tunisia.</b> H. Thairi, M. S. Arfaoui, M. Gharbi, R. Khouni, A. Meftah, M. H. Negra and H. Bismuth
12h30	<b>T10.08</b> <b>Zarat development project</b> Y. Mestiri, M. Bougacha and P. Elstone	<b>T5.08</b> <b>Challenges of modeling volatile oil reservoir (case study: Fushia prospect)</b> S. B. Suwono and E. Y. Wibowo	<b>T2.08</b> <b>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</b> M.K. Chemingui, M. Rabhi, S. Bey and N. Boukadi	

**13h00 – 14h00: Luncheon - Sponsored by Anadarko -**



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## THE PROGRAM

Session 3: 14h - 16h05				
	Conference Room Carthage I	Conference Room Carthage II	Conference Room Carthage III	
Tuesday 27 October 2015	14h00	<b>Theme 11</b> Unconventional resources <b>Chairmen:</b> Athmane Rahmani -SONATRACH Philippe Bertrand - CGG	<b>Theme 12</b> HSSE and development changes <b>Chairmen: Ridha Dhaoui - Petrofac</b> Mohamed Kalfat - Winstar	<b>Theme9</b> Field development and Enhanced recovery <b>Chairmen:</b> Adrian Burrows - Circle Oil Lassaad Chihi - FSB
		<b>T10.09</b> Shale Gas For Tunisia T. Fletcher	<b>T13.09</b> Tier II Oil Spill Response Centre Y. Mestiri and H. Mejri	<b>T9.09</b> LWD technology new-generation for Geosteering and reservoir characterization H. Haddou
	14h25	<b>T11.10</b> 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	<b>T13.10</b> Zarzis oil spill drill H. Mejri and Y. Mestiri	<b>T9.10</b> Hasdrubal integrated asset modelling for better reserves evaluation and project planning Ch. Chiboub, S. Baggio, E. Lemkeche and M. Ben Amara
	14h50	<b>T11.11</b> Oil and gas shale from radioactive Tannezuft and Fegaguira formations, Ghadames and Chotts basin A. Belhaj Mohamed, M. Saidi, I. Bouazizi and M. Soussi	<b>T13.11</b> Oil tracking accident management, BBT and ENI cases B. Ben Hassine	<b>T9.12</b> Contribution of Logging Techniques to EOR Projects. M. Tchambaz
	15h15	<b>T11.12</b> Potential unconventional gas and oil resources and impact on the Tunisian energy balance and economy A. Gaaya	<b>T13.12</b> Scale down Risk Level H. Hbaili	<b>T9.13</b> Smart completion wells, the future oil fields management solution – i fields S. Chaabani
	15h40		<b>T13.13</b> HSE Management of SIMOPS - Baguel field case history A. Chebbi	

16h05 - 16h 40: Coffee break - Sponsored by Schlumberger -





## THE PROGRAM

Session 3: 16h 40 - 18h20				
	Conference Room Carthage I	Conference Room Carthage II	Conference Room Carthage III	
Tuesday 27 October 2015	16h40	<b>Theme 1</b> Emerging Frontiers Exploration Challenges and Prospectivity in Tunisia <b>Chairmen :</b> Brian Hepp - Independant Resources Peter Hirsch - AGI	<b>Theme 4</b> Reservoirs: Stratigraphy and Sedimentology <b>Chairmen:</b> Michel Pick - DNO Mohamed Soussi - FS Tunis	<b>Theme3</b> Organic Geochemistry, Basin Modeling and Petroleum Systems <b>Chairmen:</b> Moncef Saidi- ETAP Loffi Fourati - Medco
		<b>T1.14</b> Ras Ettayeb - Sidi Amor open acreage blocks, hydrocarbon prospectivity H. Latiri, F. Ferhi and A. Belkahla	<b>T4.14</b> Ordovician tight gas play in Tunisia, Ghadames basin-North Africa H. Troudi, K. Pelz, D. Kebaier, G. Cantarella, C. Astl and A. Omri	<b>T3.14</b> Hot shale in an ice world: Paleooceanographic evolution of the northern Gondwana margin during the early Paleozoic(Tannezuft Formation, Tunisia) G. Gambacorta
	17h05	<b>T1.15</b> Expanding potential in the Tunisian offshore A. J. Burrows and R. Sandman	<b>T4.15</b> Ordovician reservoirs characterization in South Tunisia S. Ben Alaya, M. S. Ben Reguiga	<b>T3.15</b> 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
	17h30	<b>T1.16</b> Hydrocarbon Potential of the Chenini Bloc (E9) Southern Gulf of Gabes, Tunisia S. Mokaddem, S. Haddad, A. Draoui, N. Barhoumi and L. Salmouna	<b>T4.16</b> Biostratigraphy-sedimentology calibration of shallow water Aptian carbonates in central Tunisia E. Saïdi, A. Nasri, F. El Ferhi, S. Ben Alaya, A. Skanji and M. Yaakoubi	<b>T3.16</b> Integrated basin analysis and prospect evaluation (Taranaki basin, offshore New Zealand ) S. Ben Haj Slama, S. Mamoughli, O.Bellili, A. Bejaoui and M. A. Ben Jemaa
17h55	<b>T1.17</b> The Zaafrane discovery - from imagination to imaging M. Van Rees	<b>T4.17</b> Petroleum systems and prospectivity of the Jurassic carbonate reservoir in Central West Tunisia M.Lazzez and A. Boulares	<b>T3.17</b> A New borehole temperature correction in the Jeffara basin: Impact on Tannezuft source rock thermal maturity and associated hydrocarbon generation A. Bouaziz, A. Mabrouk- El Asmi, A. Skanji and K. El Asmi	

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## THE PROGRAM

Session 1: 09h00 - 10h40			
	Conference Room Carthage I	Conference Room Carthage II	Conference Room Carthage III
Wednesday 28 October 2015	<b>Theme 6</b> Reservoir Geophysics <b>Chairmen:</b> Zul Anwar - Medco Energy Ridha Ouahchi - Topic	<b>Theme 5</b> Reservoirs Engineering, Modeling and Management <b>Chairmen:</b> John Bridges - Anadarko Slim Skik - TPS	<b>Theme 7</b> Geophysical Methods: New Technologies and Applications <b>Chairmen:</b> Nouredine Masmoudi - Numhyd Abdelmajid Ben Tanfous - SEREPT
	<b>T6.01</b> Enhanced velocity modeling and depth conversion in Sfax exploration permit M. Elleuch, M. H. Acheche and S. Gamaoun	<b>T5.01</b> AOFPP estimation of a gas well with the aid of a Formation Tester in the absence of OH data J. Zaggas, D. Loi and T. Ben Haoua	<b>T7.01</b> Challenging Operation : 3D Seismic acquisition in Sfax Offshore exploration permit J. Hoffman, M. Elleuch and S. Gamaoun
	<b>T6.02</b> Seismic reservoir characterization qualifying seismic as a reliable technology for conditioning geomodels: A case study from the Hasdrubal field, Tunisia A. J. S. Wilson, R. Chaabouni, S. Ghomari, A. Hamdi, C. Chiboub and N. Dkhaili	<b>T5.02</b> 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) C. Moujbani, S. bin Suwono, N. Boussoffara, M. Fakhur Razi, L. Fourati and Z. Anwar	<b>T7.02</b> Maximizing information content of seismic data through optimized acquisition design: a case history from South Tunisia P. Herrmann, M. Pastori, M. Buia, A. Masciarelli, G. Tortini, F. Pradalié, T. Bianchi, H. Millet, S. Trabelsi and W. Oueslati
	<b>T6.03</b> Seismic stratigraphy interpretation using seismic attributes from pre and post stack seismic inversion; carbonate and silisiclastic case studies S. Nabil, F. Lechani and A. Jedidi	<b>T5.03</b> Maximizing the utilization of well log data to deliver realistic permeability model by combining Neural Network and geostatistical approach (Case Study: BBT Field, Tunisia) S. bin Suwono, Nouha B., M. FakhurRazi, M.Charfeddine, L. Fourati and Z. Anwar	<b>T7.03</b> Non-Seismic methods as tools for lithological discrimination and hydrocarbon exploration in Tunisia M.H. Inoubli, O. Abidi, A. Rabia, A. Amiri, I. Hamdi
	<b>T6.04</b> 3D porosity prediction of El Gueria reservoir using Seismic Acoustic P-Impedance in Ashtart Field M. H. Kallel and N. Drissi	<b>T5.04</b> Integration of the formation evaluation data for the evaluation of hydrocarbon potential of Zaafrane permit K. Romdhani	<b>T7.04</b> "Hot Shales" seismic characterization in the Tannezuft Formation, Tunisia. A.Amato del Monte, E. Antonielli, G.Gambacorta, V. De Tomasi, and E.Paparozzi

10h40 -- 11h15: Coffee Break - Sponsored by Schlumberger -





## THE PROGRAM

Session 2: 11h 15 - 12h 55				
	Conference Room Carthage I	Conference Room Carthage II	Conference Room Carthage III	
Wednesday 28 October 2015	11h15	<b>Theme 7</b> Geophysical Methods: New Technologies and Applications <b>Chairmen:</b> Anas Snoussi - Schlumberger Samir Kharbachi-PA Resources	<b>Theme 5</b> Reservoirs Engineering, Modeling and Management <b>Chairmen:</b> Taoufik Bouabdelli - ETAP Mohamed Hedi Negra – FST Tunis	<b>Theme 8</b> Drilling, Completion Technologies and Operation Managements <b>Chairmen:</b> Hamdi Bahrini - OMV Rached Hachemi – ETAP
		<b>T7.05</b> L'enjeu des corrections statiques en milieu désertique F. Hanot and F. Miquelis	<b>T5.05</b> Multidisciplinary approaches to understand the dynamic behavior of El Gueria reservoir in Ashtart Field. S. Chaieb	<b>T8.05</b> Interactive well testing using a new acoustic telemetry system A. E. Mengen
	11h40	<b>T7.06</b> Subsurface geology of the northern east of Tunisia by means of gravity field analysis. Petroleum implication B. Sarsar, R. Guellala and M. H.Inoubli	<b>T5.06</b> Integrated subsurface uncertainty modelling for Abiod reservoir at Miskar field Ch. Chiboub, S. Baggio, E. Lemkecher and M. Ben Amara	<b>T8.06</b> Produced water management and Zero liquid discharge A. Ben Haj Hamida
	12h05	<b>T7.07</b> Contribution of seismic inversion techniques to tight, unconventional and complex projects H. Gabtni and C. Jallouli	<b>T5.07</b> Computation of PVT parameters applying empirical correlation move to T5 K. Rahuma, A. Jbali, A. Shaban and S. Almahi	<b>T8.07</b> Artificial lift control technologies in Gassy conditions K. Ben Boubaker
	12h30	<b>T7.08</b> 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	<b>T5.08</b> Interpretation of Drillstem Tests of gas reservoirs with deep filtrate Invasion W.R. Hugh, A. ben Salem and M. Abdelkader	<b>T8.08</b> TEG unit in natural gas dehydration design, simulation, optimization and comparison with Ranque-Hilsh vortex tube A. Iyadh Yahya

**13h00 – 14h00: Luncheon - Sponsored by BG - TUNISIA**





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## THE PROGRAM

Session 1: 14h00 - 15h40				
	Conference Room Carthage I	Conference Room Carthage II	Conference Room Carthage III	
Wednesday 28 October 2015	14h00	<b>Theme 4</b> Reservoirs: Stratigraphy and Sedimentology <b>Chairmen:</b> Chokri Chiboub – BG Tunisia Nouri Hatira - ONM	<b>Theme 6</b> Reservoir Geophysics <b>Chairmen:</b> Eugenio Antonielli - ENI Ridha Hammami-- Amilcar P. O.	<b>Theme 8</b> Drilling, completions technologies and operations managements <b>Chairmen:</b> Nabil Abdelkafi - Perenco Moncef Chebbi - ETAP
		<b>T4.09</b> Repercussions of the dolomitization of the fractured Middle Turonian Bireno platform, central Tunisia H. Haj Ali, E. Essefi, J. Tourir and C. Yaich	<b>T6.09</b> Porosity modeling using the acoustic impedance trend for the Elyssa field Bireno reservoir F. Touhami and S. Kharbachi	<b>T8.09</b> Ifrikya II, Ashtart FSO deconnection project Mohammed Bougacha
	14h25	<b>T4.10</b> Discovery of Jurassic ammonite-bearing series in Jebel Bou Hedma (South-Central Tunisian Atlas): implications for stratigraphic correlations and palaeogeographic reconstruction Y. Houla, N. Bahrouni , M. Soussi , M. Boughdiri, A. Nasri , W. Ben Ali and S. Bouaziz	<b>T6.10</b> Reservoir model tuning using flow scan imager technology in Hasdrubal field, Offshore Tunisia S. Ghomari, C. Chiboub, R. Sinha and S. abu Bakr	<b>T8.10</b> Development of a PDC-Tricone Hybrid Technology to Solve Drilling Problems of Surface Holes in North Africa W. Moujbani, E. Aliko and N. Chaabane
	14h50	<b>T4.11</b> Contribution of charophytes and ostracods to the stratigraphy of the Aptian-Albian continental deposits (Kebbar Fm) from Central Tunisia: Paleogeographic implication K. Trabelsi, M. Soussi, J. Tourir, C. Martin-Closas and B. Sames	<b>T6.11</b> Seismic attributes for faults delineation in Miskar field F. Ouakad, I. Demni and M. Ghanmi	<b>Theme 6</b> Reservoir Geophysics <b>Chairmen:</b> Nabil Abdelkafi - Perenco Moncef Chebbi - ETAP
	15h15	<b>T4.12</b> 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. Ouahchi and A. Meskini	<b>T6.12</b> Contribution of Seismic Inversion Techniques to Tight, unconventional and complex Projects. F. Zeghibib	<b>T6.14</b> Meta-attributes and neural network utility to detect geological features and reservoir properties of the Aptian Serdj dolomitic reservoir In Kaboudia permit A. Guizanil
	15h40		<b>T6.13</b> Thin bed characterization and thickness prediction using integrated forward modeling and seismic attributes M. W. Boudega	<b>T6.15</b> Improvement of reservoir characterization seismic attributes: Ezzaouia field Jurassic M'Rabrine Member case study N. Dkhail

16h - 16h 15 : Coffee break - Sponsored by Schlumberger -

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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**

#### Theme 1: Emerging Frontiers : Exploration challenges and prospectivity in Tunisia

**P1 : R. Ben Rebah-Lazzez and A. Boulares**

Gulf of Hammamet hydrocarbon prospectivity

**P2 : R. Ben Rabah-Lazzez, A. Hammami, S. Boudriga, C. Aroua and D. Samaali**

Petroleum prospectivity of Bou Dabbous carbonate reservoir in Cap Bon Peninsula, North Eastern Tunisia.

**P3: H. Dhahri**

Ouedhref open acreage hydrocarbon potential

**P4 : L. Salmouna, S. Haddad, N. Barhoumi, A. Draoui and S. Mokaddem**

Petroleum system and prospectivity of BorjAghir Bloc South-Eastern Tunisia

**P5 : E. El Chahtour and A. Belhaj Mohamed**

Petroleum system and Hydrocarbon prospectivity of the onshore Chanchou open block.

**P6 : A. Guizani**

Velocity analysis and depth conversion in the offshore Kaboudia permit

**P7 : S. Athimni, F. Khemeri, F. Melki, F. Zargouni and H. Troudi**

Outcrop to subcrop analog in naturally fractured reservoirs. Case study: Chalky limestone of Abiod formation; Campanian-Maastrichtian of Central Tunisia

**P8 : Y. Jazzar, S. Aridhi, F. Khemiri and M. Ghanmi**

Hydrocarbon Prospectivity in Jeffara onshore basin, south eastern Tunisia

**P9 : E. Saidi and D. Zaghib-Turki**

Prediction of the Abiod reservoir's top in Northern Tunisia applying a high resolution foraminiferal biostratigraphy

**P10 : A. Hammami and N. Miloudi**

Hydrocarbon prospectivity and potentiality of the Kerkenah open block Northern part of the Gulf of Gabes, Tunisia

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

**P11 : N. Dkhaili**

Effects of the Paleozoic orogeny (ies) in the development of structural and stratigraphic traps in Southernmost Tunisia (Ghadames basin)

**P12: F. Khemiri, A. Belhaj Mohamed, I. Bouazizi, A. Bachallaoui, M. Saidi and A. Meskini**

Characterization of Albian Source rock at Jebel Djehaf, Fkirine area correlation with oil seeps

**P13: S. Elloumi, M. Mabrouk and D. Akrouf**

Triassic petroleum system in Ghadames basin (South Tunisia)

**P14: R. R. Bako Wapet, M. Saidi & H. Mejri**

Etude des roches mères de la région d'Ejehaf et détermination des indices de pétroles associés

**P15: S. Mahmoudi, A. Belhaj Mohamed, M. Saidi and F. Rezgui**

Organic geochemistry and petroleum potential evaluation of Silurian sediments from the Ghadames Basin, Tunisia

**P16: A. Haddad, A. Belhaj Mohamed, M. Layeb, M. Saidi and B. Mannai-Tayech**

The Bahloul Formation in the Tunisian Sahel Basin: Geochemical and mineralogical Insights



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**P17: S. Boughanmi, 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 of 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.**

Petroleum System of the Serj reservoir in central block of the Gulf of Hammamet-Offshore Tunisia.

**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. Chhidi, 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. Smaoui**

Subsidence, thermal evolution and hydrocarbon maturation in the Chotts basin (Southern Tunisia): Contribution of modeling with use of Basinmod software

**Theme 9: Field development and Enhanced recovery**

**P28: P. Grech, A. Le Blanc and R. Aquilini**

Re-invigorating 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

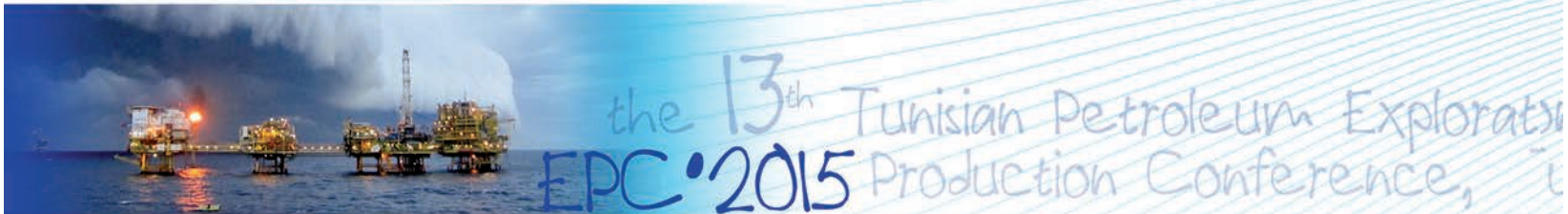
**P33: S. Barbouchi**

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, Sfax, Tunisia





# the 13<sup>th</sup> Tunisian Petroleum Exploration EPC'2015 Production Conference,

## 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. Jlaïlia, 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 Messeffine 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 Dabbous 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**

Geodynamicrecords on hiatuses and carbonate platforms in the Eastern offshore Tunisia, using 2-D 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**

Geodynamique 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 gafsa-Jeffara 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 Ketatna/Lower Salammo 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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**P22: F. Houatmia, S. Khamsi, Ben Salem, S. Ouahchi and M. Bedir**

Basin Structuring and Miocene reservoir analogue modelling in Eastern Tunisia

**P23: K. Abdelmoumen, R. Guellala, A. Mahroug, B. Sarsar-Naouali and M.H. Inoubli**

Well logs and seismic reflection contribution to the characterization of the Jurassic petroleum system (Southern Tunisia; the Fawar open block)

**P24: R. JRIBI, M. AKERMI**

Şidi El Kilani field"- geophysical techniques application for structural framework delineation and hydrocarbon detection

**Theme 7: Geophysical methods: New technologies and applications**

**P25: R. Hamdi**

Velocity Modeling (Ashtart Concession)

**P26: A. Jedidi, F. Lechani and Nabil S.**

Reservoir characterization integrated workflow, from pre and Poststack inversion to Facies and fractures modeling. Carbonates and siliclastic reservoir case study

**P27: F. Lechani, A. Jedidi and S. Nabil**

Combining seismic inversion and AVO with stratigraphic interpretation to improve channel reservoir characterization; Offshore case study oil field

**Theme 8: Drilling, completions technologies and operations managements**

**P28: H. Al Saadi, M. Mirza and M. S. Jumaat**

Wellbore Implosion Case Study of Perforation Enhancement

**P29: H. Al Saadi, B. Al Amri and D. Hudya**

Water flooding surveillance and monitoring, practical approaches. A Case review in Southern Oman.  
Theme 13: GIS & data management

**P30: S. Mnii and M. Athanassios**

Geographic Information System (GIS) in OMV Tunisia: Use & Advantages

**P31: R. Mansour and A. El Ghali**

Elaboration des cartes structurales et géologiques par l'approche télédétection et SIG.  
Etude de cas dans le bassin molassique de Kéhabta (NE de la Tunisie)

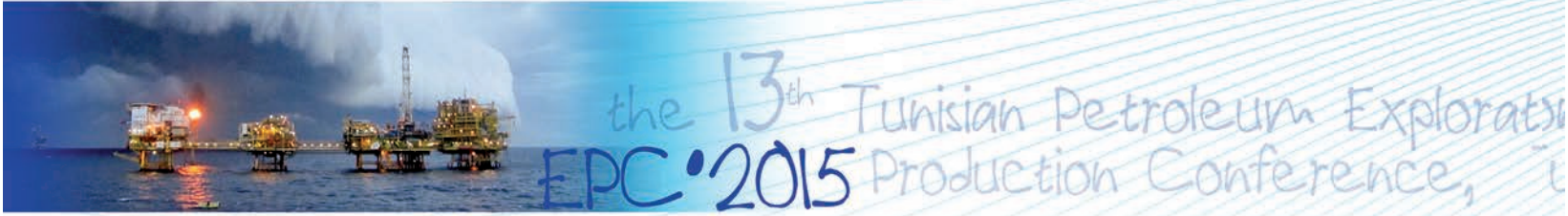
**P32: R. Mastouri, A. Guerin, R. Marchant, M-H. Derron, A. Boulares, M. Lazzez , F. Marillier, M. Jaboyedoff and S. Bouaziz**

Virtual Outcrop analogues of Carbonate Fractured Reservoirs "Eocene reservoirs" (Reineche and Gueria Formation), Eastern Tunisia: Application of Terrestrial Laser Scanning coupling with Giga PanTechnology

**P33: R. Chaabouni, C. Raulin and S. Bouaziz**

Structural investigation of Ghadames basin by integrated remote sensing and subsurface data





## CARTHAGE THALASSO HOTEL

### MAIN AREAS OF ACTIVITIES



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## 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 chairmen'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 chairmen'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.

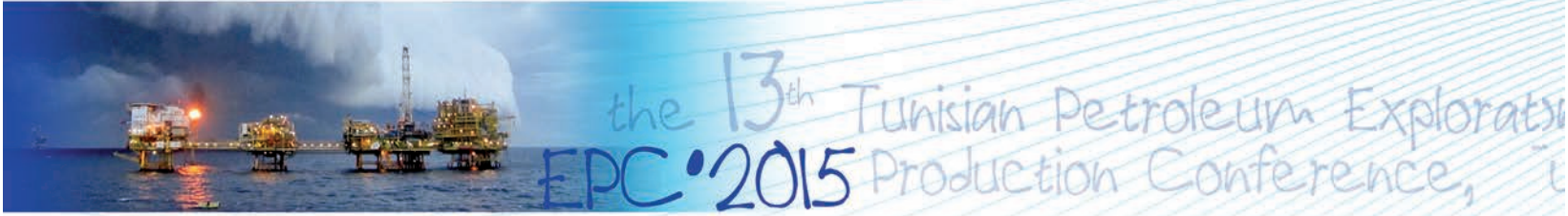
### THE EXHIBITION

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.

<a href="#">Monday, October 26th, 2015</a>	<a href="#">from 17:30 to 20:00</a>
<a href="#">Tuesday, October 27th, 2015</a>	<a href="#">from 09:00 to 18:00</a>
<a href="#">Wednesday, October 28th, 2015</a>	<a href="#">from 09:00 to 16:00</a>





### TECHNICAL EXHIBITION

**Exhibitors List :** The following companies have booked their booth

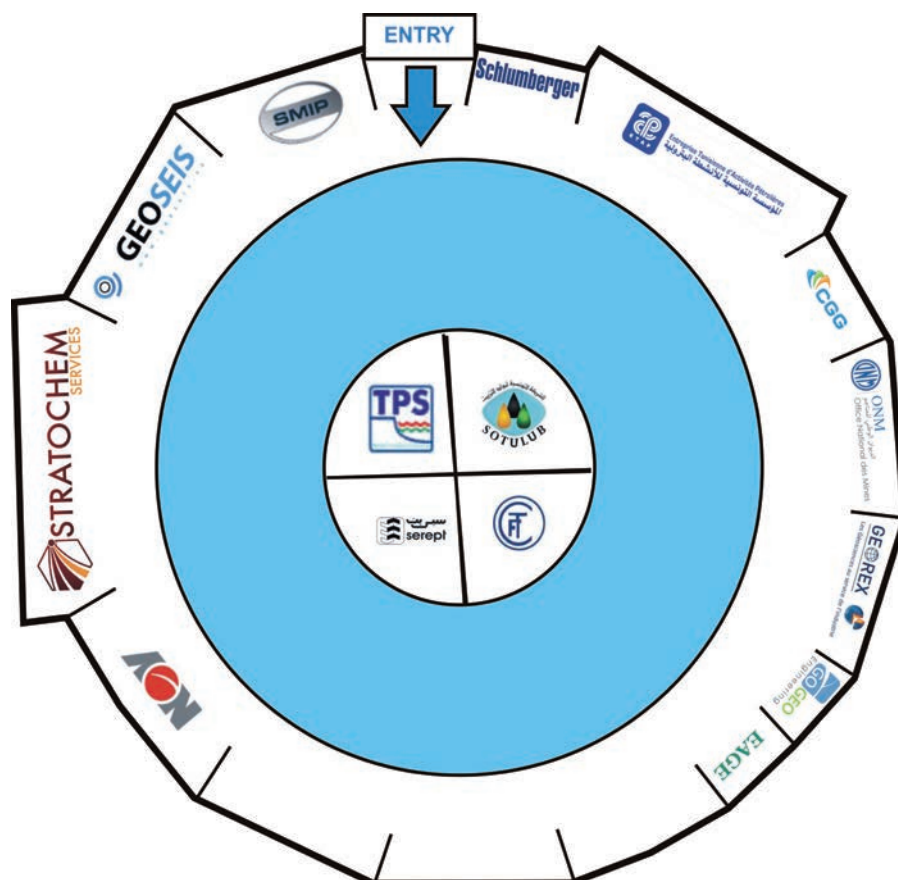




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### EPC 2015 EXHIBITION FLOOR PLAN





## 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=zHcEIsItK7jQ.kCyXqfPHAfxE>

### Fieldtrip F2 : Hydrocarbon Prospectivity in the Onshore North Western Tunisia

**Leaders :** Moncef Saidi, Ahmed Nasri, Faycal Ferhi (ETAP), Yassine Houla (ONM)

Departure : Wednesday, October, 28th 2015 18:00 Departure from Tunis to Hammamet

Return : Saturday, October 31st 2015, Arrival to Tunis (approximately 20.00h.)

The NW Tunisia is an under-explored area (sparse 2D seismic lines and few exploration wells), although considered as one of the most promising and prolific hydrocarbon province proved by several oil and gas seeps and also by the encouraging results while drilling a few wells in this area (BAR-1, SCV-1, EH-1.....). The main keys to succeed the exploration in this area are summarized on the better understanding of the subsurface structural styles and the identification of areas of interest where all favorable conditions to the generation and hydrocarbon accumulation are met. The outcrops-stops planned for this field trip will be focusing on the structural styles of the different geological domains and the relationship with the petroleum systems components (Source rock & Reservoir Rock)

## 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.



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## 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@carthagethalassoressort.com

**Web Site :** www. carthagethalassoressort.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.

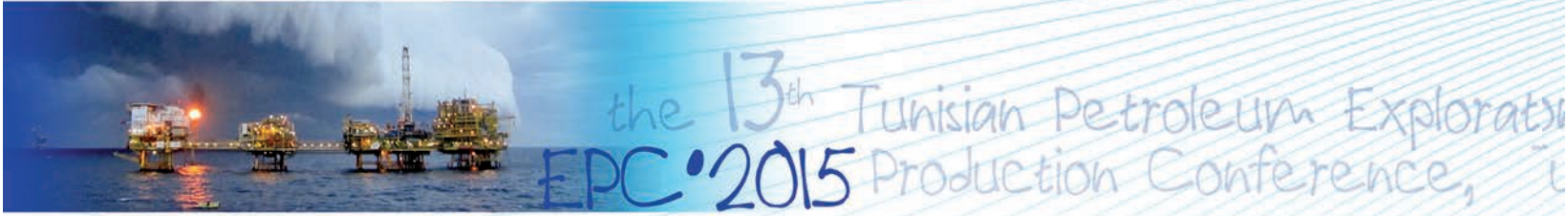
### IT Service

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



PERENCO



MEDCOENERGI  
Oil & Gas



كوفبيك (تونس) المحدودة  
KUFPEC (TUNISIA) LIMITED

### SILVER



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## GENERAL INFORMATIONS

### Tunisia at the Cross Roads of the Mediterranean; Gros Roads of civilisation

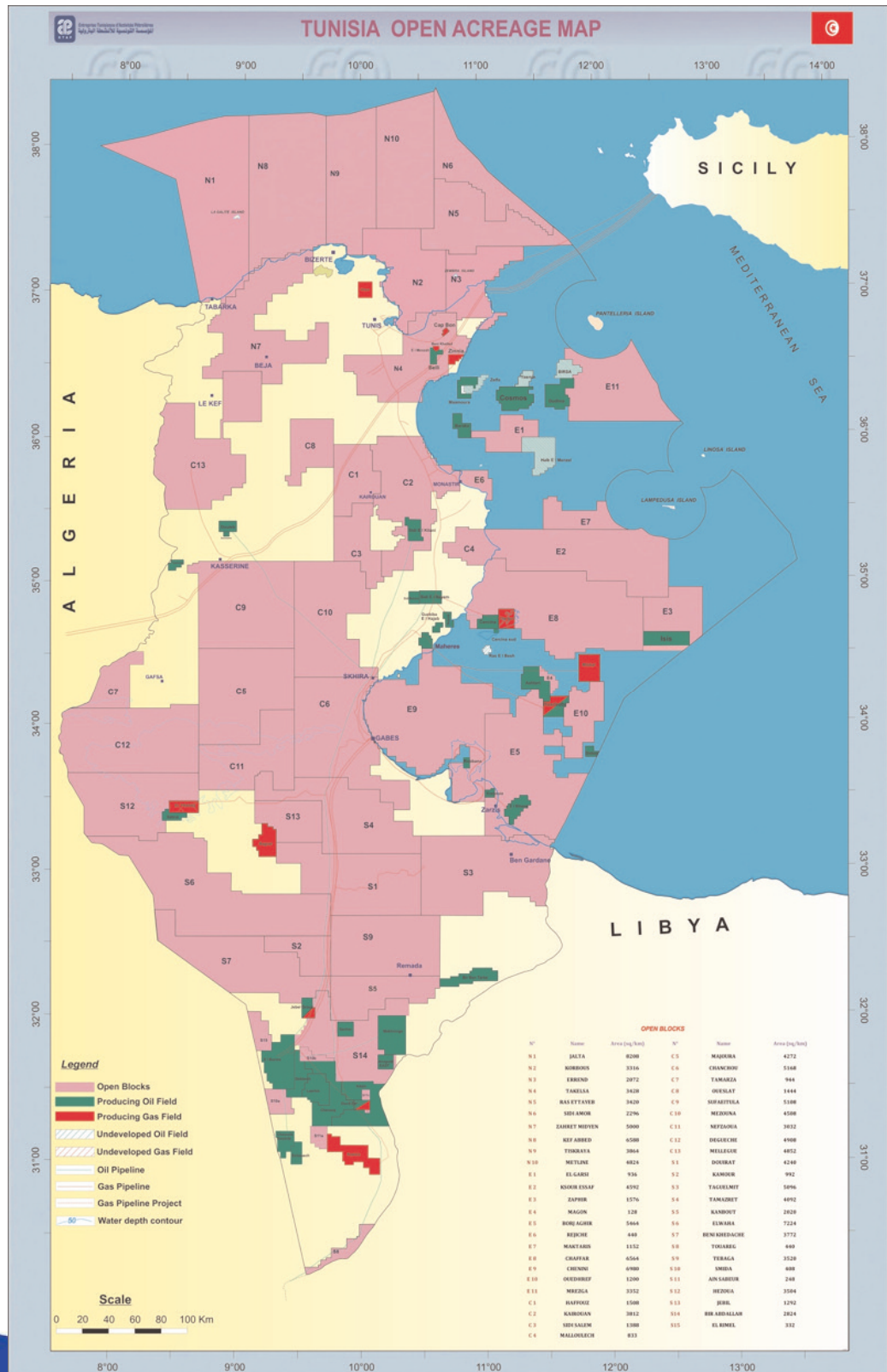
Tunisia is located at the cross roads of the Mediterranean. Seven of its cultural sites are included in the «World Heritage List». These are Carthage, the Medina of Tunis, Sfax, Sousse and Kairouan, the EL Jem amphitheater, Kerkouane and the site of Dougga. The Ichkeul Natural Park also belongs to the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

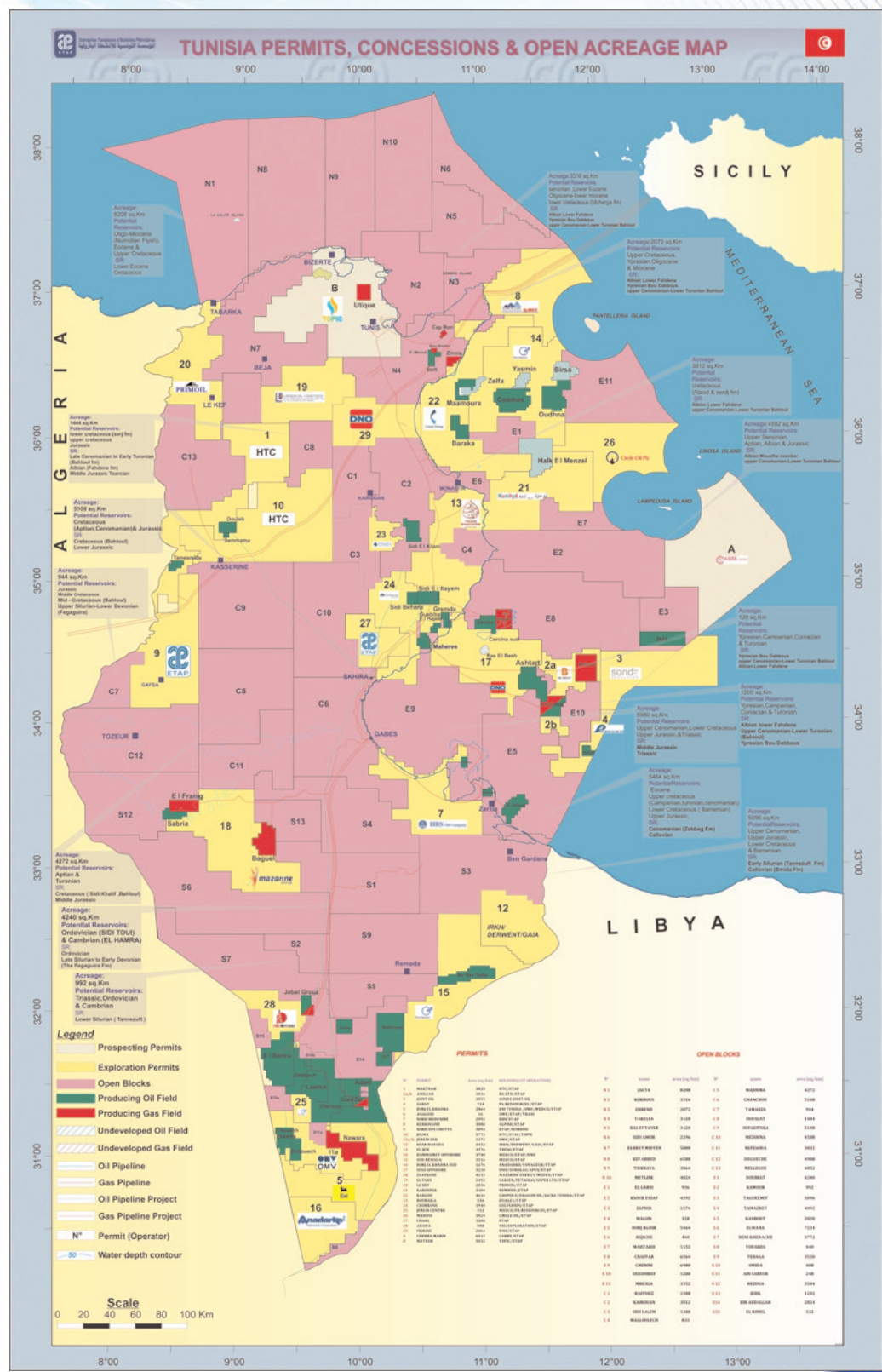


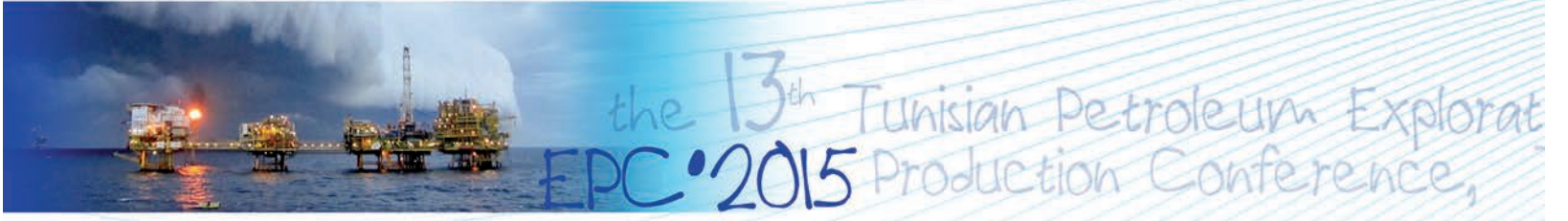


# the 13<sup>th</sup> Tunisian Petroleum Exploration EPC'2015 Production Conference,



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## CARTHAGE THALASSO HOTEL EVACUATION PLAN

