

Le GDA Sidi Amor, partenaire associé au projet TRESOR <https://lnkd.in/db5biG6Q> , a participé activement à l’atelier de formation qui s’est déroulé en présentiel et à distance du 28 Mars au 1er Avril et dont ci-joint programme. Une composante « formation de terrain » s’est déroulée au GDA Sidi Amor. En partenariat avec plusieurs institutions scientifiques nationales et internationales et experts tels que ( Hamadi Kallali, Ahmed Ghrabi, Olfa Mahjoub, Tunisia, Andreas Angelakis, Greece, Jan Vymazal, Czech Republic, Jörg Felmeden, Germany, Fabio Masi, Italy, Pascal Molle, INRAE, France…)



Ouverture officielle du Workshop et Introduction par Olfa Mahjoub) et MM.Ahmed Ghrabi, CERTE,Mondher Ben Salem, INRAT, Zouhaier Nasr, INRGREF etTaieb Ben Miled, GDA Sidi Amor

 

**Formation de terrain au site du GDA Sidi Amor. Vendredi 1er Avril 2022**



Explications par Hayet Cherif ( CERTE) du procédé de filtration et dessalement apporté par le Projet tuniso-allemand ( CERTE-FiW)installé au GDA Sidi Amor, en aval des lagunes plantes à macrophytes.



 

Visite de l’unité d’aquaponie utilisant les EUT post-filtrées. Expérimentations et innovations agronomiques diverses. Partenariat entre Terra Urbana (Germany)et Arts et Jardins ( Start up issue du GDA Sidi Amor) : entreprises spécialisées dans le paysagisme ( landscape architecture)

**Training Workshop**

**Wastewater and Sewage sludge Treatment Using   
Constructed Wetlands and Planted Sludge Drying Beds**

*28th March-1stApril 2022, Tunis, Tunisia*

**Programme**

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| **28 March 2022** | |
| **Plenary Sessions (free access online)**  **Hotel Bélvèdere, Tunis** | |
| **Session 1 : Opening session**  **Moderators: Olfa Mahjoub and Taieb Ben Miled** | |
| 09:00 – 09:15 | **Welcome Speeches**  Zouhaier Nasr, INRGREF  Ahmed Ghrabi, CERTE  Mondher Ben Salem, INRAT  Taieb Ben Miled, GDA Sidi Amor  Fethi Ben Mimoun, Min planification  Salwa Chatti, Min planification  Faicel Sahraoui, Antenne STC |
| 09:15 – 09:30 | Ice breaking session: getting to know each other’s |
| 09:30 – 09:40 | Quizz (Mentimeter) |
| 09:40 – 10:15 | TRESOR Project introduction, training unfolding, and housekeeping  Olfa Mahjoub, Tunisia |
| 10:15 – 10:30 | Cyber break and networking |
| **Session 2: Introduction to constructed wetlands**  **Moderators: Hamadi Kallali and Hatem Zgallai** | |
| 10:30 – 11:30 | Wastewater management in small communities  Andreas Angelakis, Greece |
| 11:30 – 12 :30 | Advantages and disadvantages of constructed Wetlands as compared to conventional treatment system  Jan Vymazal, Czech Republic |
| 12:30 – 14:00 | Cyber break and networking |
| **Session 3: Uses of Constructed wetlands**  **Moderators: Feliciana Licciardello and Zouhaier Rached** | |
| 14:00 – 15:00 | Nature-based solutions for wastewater treatment and reuse: experiences in Italy  Giuseppe Cirelli, Italy |
| 15:00 – 16:00 | Constructed wetlands and runoff management in Germany  Jörg Felmeden, Germany |
| 16:00 – 17:00 | Constructed wetland for sanitation in rural areas in Tunisia  Hamadi Kallali, Tunisia |
| 17:00 | Wrap up of the day |
| **29 March 2022** | |
| **Session 4 : Constructed wetlands for wastewater treatment: conventional approaches**  **Moderators: Thameur Chaibi and Mohamed Ali Wahab** | |
| **Closed sessions (only by registration)** | |
| 09:00 – 10:00 | Plants in constructed wetlands – function and selection  Jan Vymazal, Czech Republic |
| 10 :00 – 11 :00 | Constructed wetlands in hot and arid countries: emphasis on the socio-environmental settings  Sarah Dan Haring, Kenya |
| 11:00 – 12:30 | Cyber break and networking |
| **Session 5 : Subsurface constructed wetlands use for wastewater treatment: novel variants and innovations**  **Moderators: Abdellaziz Zairi and Giuseppe Cirelli** | |
| 12:30 – 13:30 | New types of constructed wetlands: concept and types  Fabio Masi, Italy |
| 13:30 – 14:30 | Combination of CWs with other treatment systems: case of the APOC system  Kostantinos Plakas, Greece |
| 14:30 – 15:30 | **Usage of constructed wetland at NGO Sidi Amor: lessons learned from a Tunisian case study**  **Taieb Ben Miled, Tunisia** |
| 15:30 | Wrap up of the day |
| **30 March 2022** | |
| **Session 6: I design my constructed wetland for the wastewater treatment**  **Moderators: Giuseppe Cirelli and Hamadi Kallali** | |
| **Closed sessions (only by registration)** | |
| 09:00 – 10:00 | Constructed wetlands for wastewater treatment: from theory to practice  Pascal Molle, France |
| 10:00 – 11:00 | Modelling wetlands using the HYDRUS Wetland model  Günter Langergraber, Austria |
| 11:00 – 12:00 | Sizing and performance of constructed wetlands: applied example  Fabio Masi, Italy |
| 12:00 – 13:00 | Cyber break and networking |
| **Session 7: I design my planted filters for wastewater treatment**  **Moderators:** **Fabio Masi and Konstantinos Plakas** | |
| 13:00 – 14:00 | Working groups session |
| 14:00 – 15:00 | Presentation of the results |
| 15:00 – 15:30 | Cyber break and networking |
| 15:30-16:30 | Connecting TRESOR and on-going projects and open discussion (30 min) |
| 16:30 | Wrap up of the day |
| **31 March 2022** | |
| **Session 8 : Introduction to planted sludge drying beds**  **Moderators: Hamadi Kallali and Olfa Mahjoub** | |
| **Closed sessions (only by registration)** | |
| 09:00 – 10:00 | Planted sludge drying beds: Concept, design, and operation  Pascal Molle, INRAE, France |
| 10:00 – 11:00 | Sizing and performance of drying beds for sludge: from theory to practice  Fabio Masi, Italy |
| 11:00 – 12:00 | Working groups session |
| 12:00 – 13:30 | Cyber break and networking |
| **Session 9: I design my drying beds for sludge**  **Moderators: Fabio Masi and Pascal Molle** | |
| 13:30 – 14:30 | Presentation of the results |
| 14:30 – 15:00 | Closing Quizz (Mentimeter) |
| 15:00 – 15:30 | Wrap up and instructions for the field visit |
| **1st** **April 2022** | |
| **Field Trip** | |
| 08:00 Departure from INRGREF to Bent Saidane and Jougar  09:30-12:00 Guided tour on constructed wetland  12:00 Back to Tunis  13:30-15:00 Visit of the constructed wetland of GDA Sidi Amor  16:00 Back to Tunis | |