



PEOPLE'S DEMOCRATIC REPUBLIC OF ALGERIA
MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH
MOHAMED BOUDIAF UNIVERSITY OF M'SILA



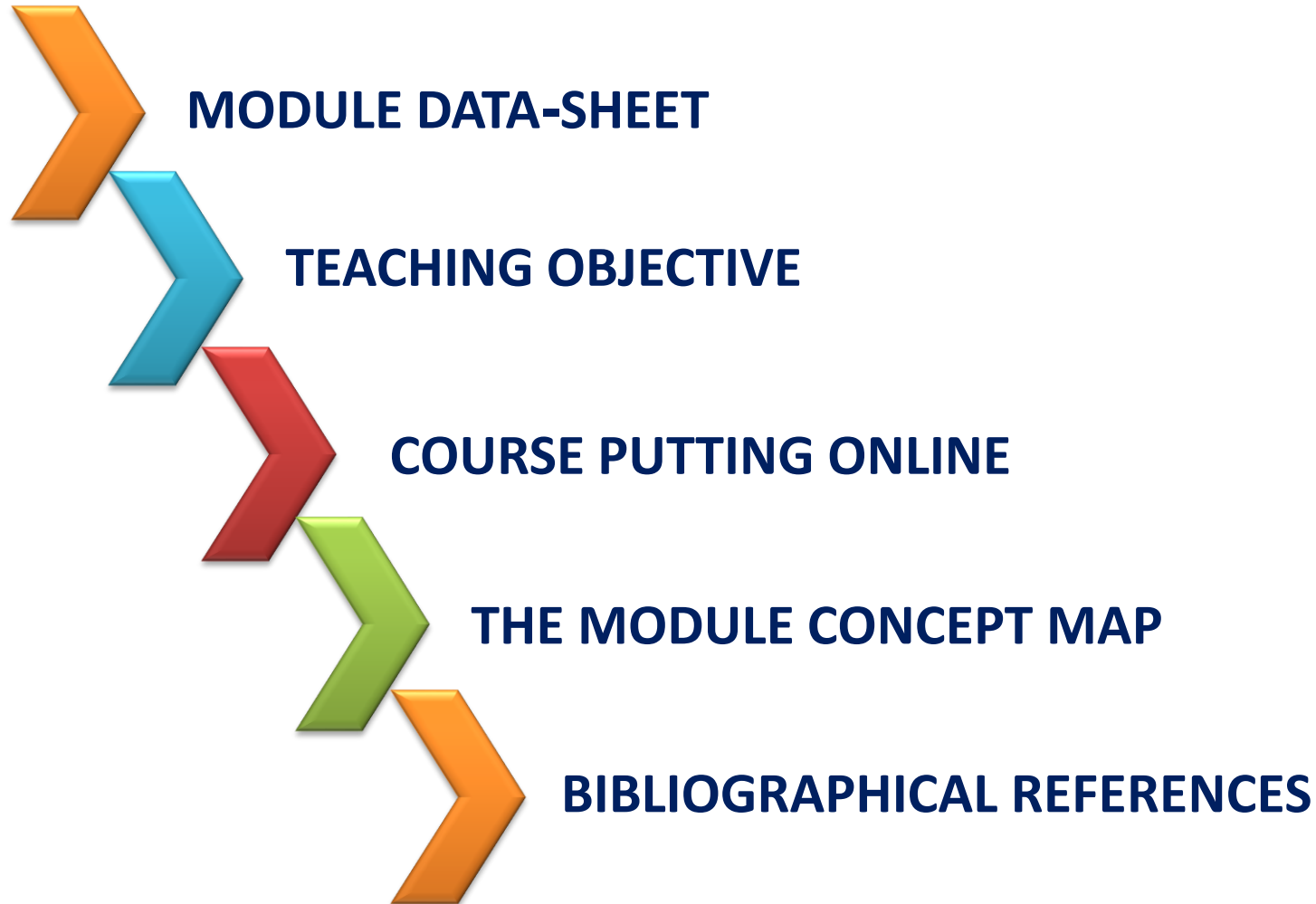
Module : Energy and environnement

Structuring and Planning of the Module 'Energy and Environment'

*With a view to hybrid teaching for the benefit of 2nd-year
Licence's students
(**Electronics, Automation, and Telecommunications**)*

Responsable of module: Dr. Moufdi HADJAB
Academic year: 2024/2025

OUTLINES



TECHNICAL DATA-SHEET

- Subject teacher: **Dr. Hadjab Moufdi**
- Level: **2nd year Bachelor's degree**
- Semester: **3rd semester**
- Teaching unit: **UED 2.1**
- Subject: **Energy and environment**
- Coefficient: **01**
- Credit: **01**
- Overall Hourly Volume (VHG): **22.5 h**
- Required Hourly Volume of work /week: **(Course 1.5 h)**
- Assessment method: Final exam: **100%**



TEACHING OBJECTIVE

Inform the student:

The different existing energies

- The sources of these energies.
- The impact of the use of these energies on the environment.
- Becoming familiar with the different types of pollution, the methods of treating pollution and waste, their impact on health and the environment

دع الطالب يتعرف على:

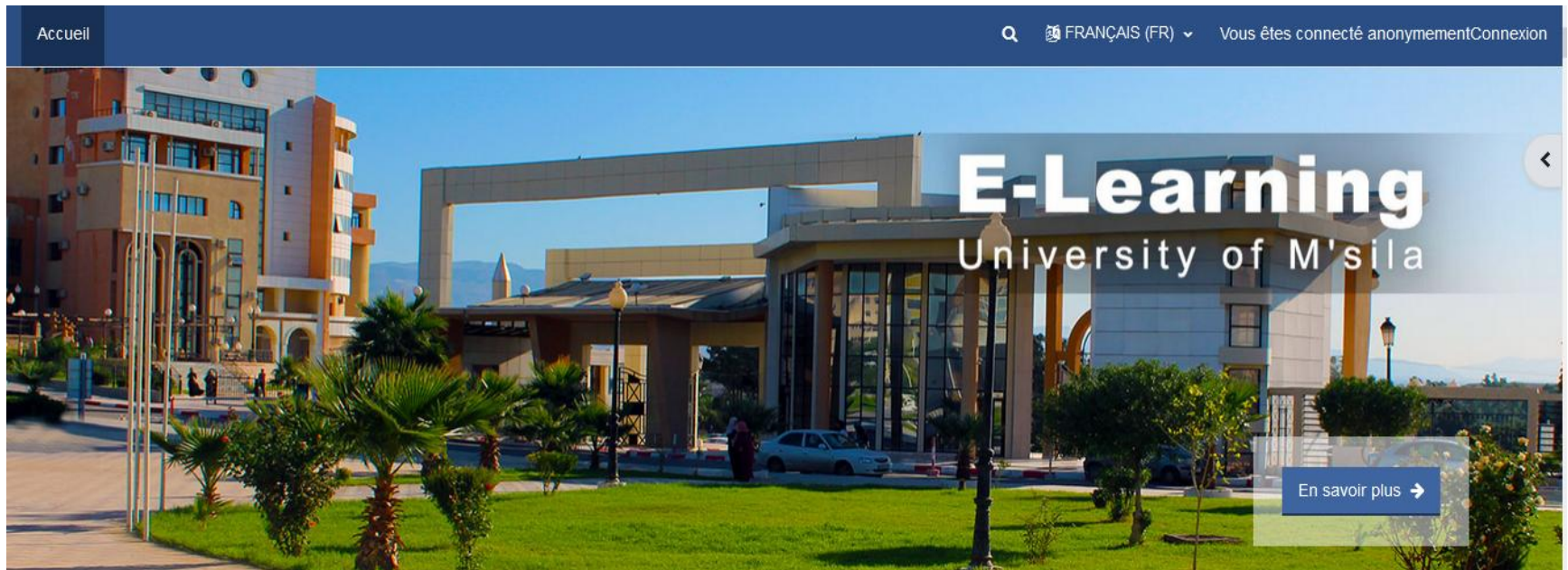
- الطاقات المختلفة الموجودة مصادر هذه الطاقات
- تأثير استخدام هذه الطاقات على البيئة.
- التعرف على أنواع التلوث المختلفة وطرق معالجة التلوث والنفايات وتأثيرها على الصحة والبيئة

TEACHING OBJECTIVE



COURSE PUTTING ONLINE

- This section presents an experience in the design, scripting, and online deployment of the **Energy and Environment course**. The scripted version of this course has been uploaded to the Moodle platform of M'Sila University (see the following Figure 2).
-





Please SCAN me to get the module:
Energy and Environment

COURSE PUTTING ONLINE

The screenshot shows the E-Learning interface for the University of Malta. The header includes the logo and text 'E-Learning University of Malta' on the left, and 'Cours English (en) v' on the right. The main content area features a login form with a large gold 'P' icon at the top left. The form contains two input fields: 'Username' and 'Password', followed by a blue 'LOG IN' button and a link for 'lost password?'. Below the form, there is a section titled 'Some courses may allow guest access' with a grey 'LOG IN AS A GUEST' button. At the bottom, there is a language selector set to 'English (en) v' and a 'COOKIES NOTICE' button. A red circle highlights the 'Username' and 'Password' fields, and a red arrow points from the top right towards the 'P' icon.

COURSE PUTTING ONLINE

E-Learning
University of M'sila

Cours Français (fr) ▾

Elearning -Université de M'sila

Tutorat المراقبة البيداغوجية لطلبة السنة الأولى ليسانس

Rechercher des cours 🔍

Tout déplier

- ▶ Tutorat المراقبة البيداغوجية لطلبة السنة الأولى ليسانس
- ▶ 1ère Année Doctorat LMD
- ▶ Espace d'étudiants فضاء الطلاب
- ▶ **Faculté de Technologie**
- ▶ Faculté des Mathématiques et de l'Informatique
- ▶ Faculté des Sciences
- ▶ Formation d'enseignant تكوين الأساتذة

COURSE PUTTING ONLINE

Accueil

FRANÇAIS (FR) Vous êtes connecté anonymement

Rechercher des cours



Tout déplier

▸ Département d'Electronique

▸ Département de Génie Civil

▸ Département de Génie Mécanique

▸ 1er année Socle Commun (ST)

▸ Département d'Hydraulique

▸ Département de Génie électrique



COURSE PUTTING ONLINE

Accueil

FRANÇAIS (FR) Vous êtes connecté anonymement Connexion

Rechercher des cours



Tout déplier

▸ Département d'Electronique

▸ Département de Génie Civil

▸ Département de Génie Mécanique


▸ 1er année Socle Commun (ST)

▸ Département d'Hydraulique

▸ Département de Génie électrique

?

COURSE PUTTING ONLINE

 **E-Learning**
University of M'sila

Cours Français (fr) ▾

Cours > Faculté de Technologie > Département d'Electronique > 2eme année Licence


2eme année Licence

Faculté de Technologie / Département d'Electronique / 2eme année Licence ▾

Rechercher des cours 🔍

Tout déplier

- ▶ **Electronique**
- ▶ Télécommunications

 **E-Learning**
University of M'sila

Cours Français (fr) ▾

Cours > Faculté de Technologie > Département d'Electronique > 2eme année Licence > Electronique

Electronique

Faculté de Technologie / Département d'Electronique / 2eme année Licence / Electronique ▾

Rechercher des cours 🔍

Tout déplier

- ▶ **1er semestre**
- ▶ 2eme Semestre

COURSE PUTTING ONLINE

1er semestre

Catégorie

More ▾

Faculté de Technologie (ST) / Department of Electronics / 2eme année Licence / Electronique / 1er semestre

Rechercher des cours 🔍

1 2 »

Energies and environment for L2_ELN & TLC (2024-25) Dr. M. Hadjab 🔒

TD Logique combinatoire et séquentielle ↗

Logique Combinatoire 🔒

Computer Science III Labs 🔒

Afficher le B

COURSE PUTTING ONLINE

Accueil Tableau de bord **Mes cours** Administration du site

Search, Notifications, Messages, MH, Edit mode

Cours Français (fr)

Energies and environment for L2_ELN & TLC (2024-25) Dr. M. Hadjab

Cours Paramètres Participants Notes Rapports More

Contacts Sheet Tout replier

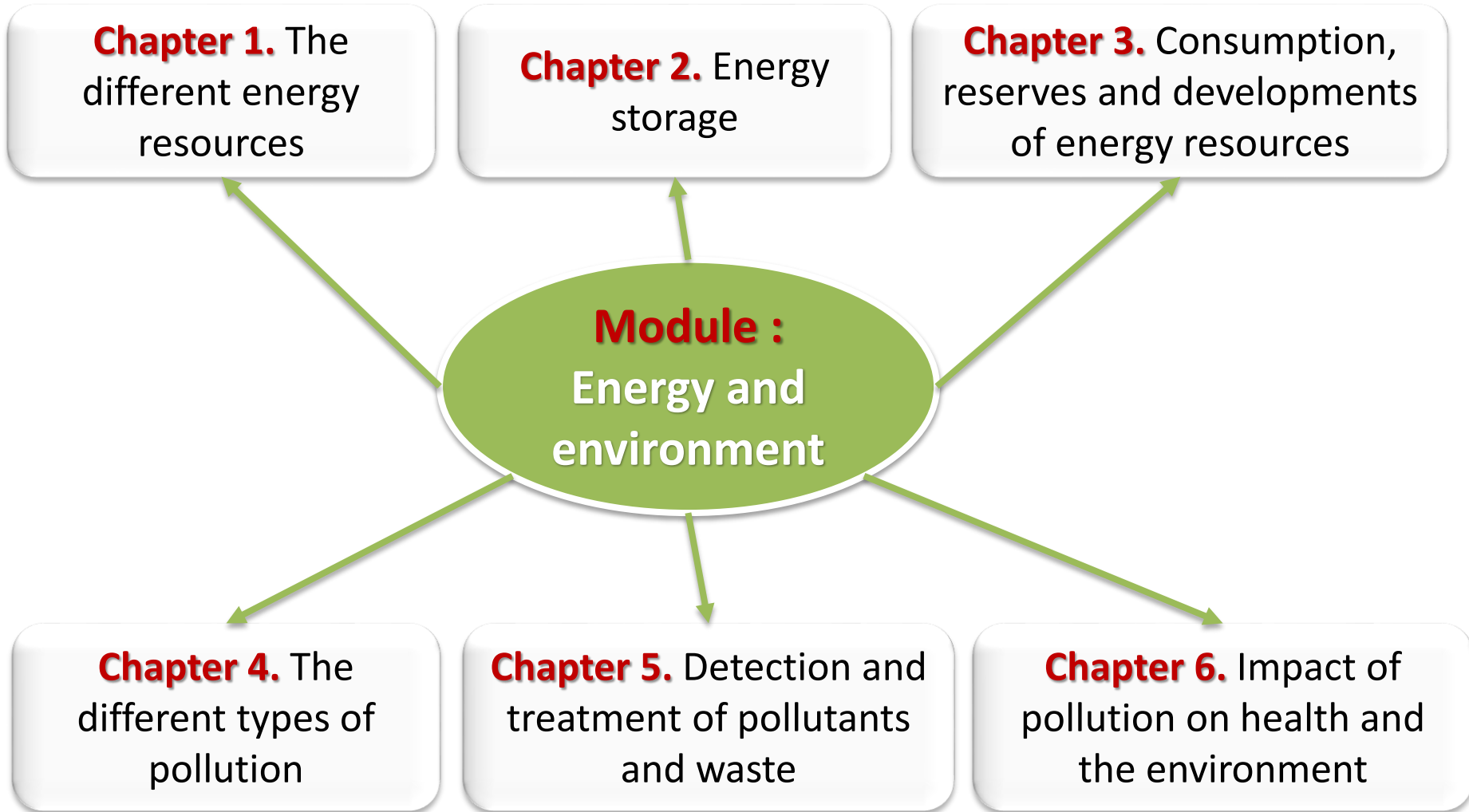
Contacts Sheet

Lecturer: Dr. Hadjab Moufdi

Cours 1 - Structuration et planification du module - Microsoft PowerPoint

Afficher le E

THE MODULE CONCEPT MAP



1. THE DIFFERENT ENERGY RESOURCES



Solaire



Marée



Vent



Biomasse



Nucléaire



Vagues



Hydroélectrique

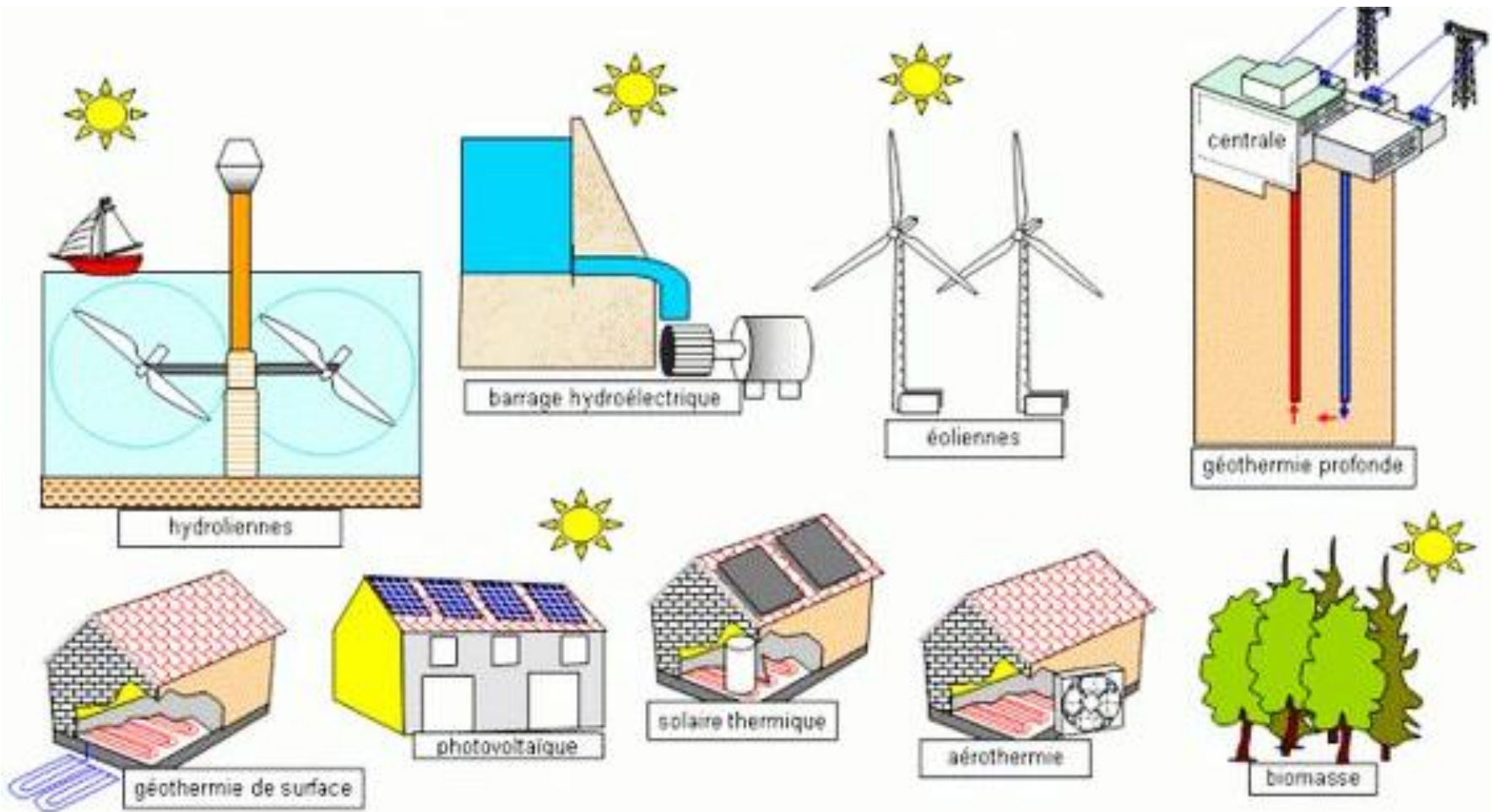


Géothermique



Charbon

1. THE DIFFERENT ENERGY RESOURCES

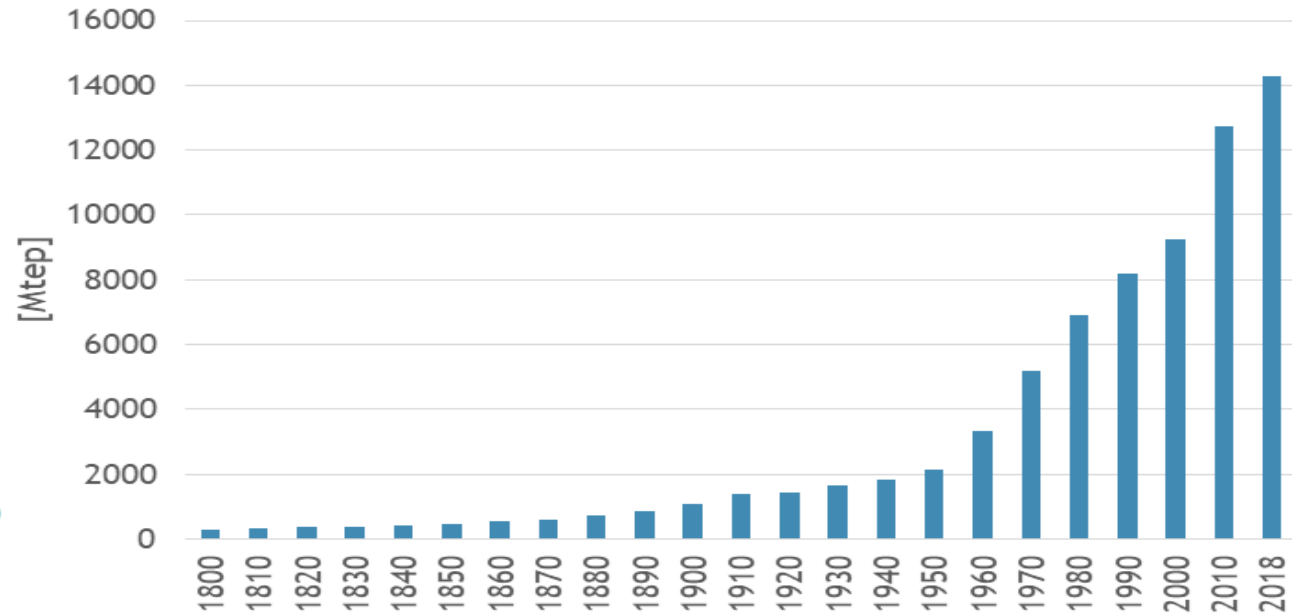


2. ENERGY STORAGE

Energy storage is the practice of storing a quantity of energy from a source for later use.

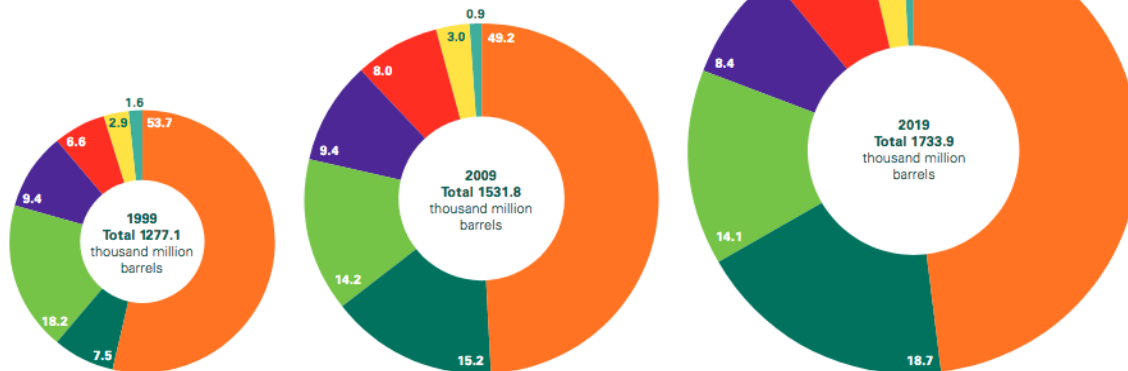


3. CONSUMPTION, RESERVES AND EVOLUTIONS OF ENERGY RESOURCES

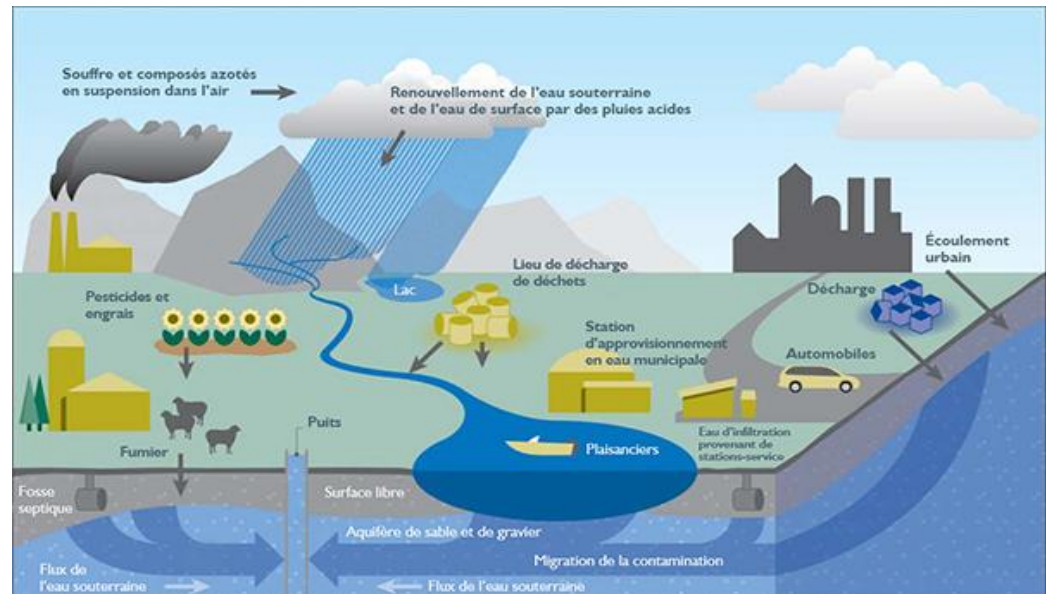
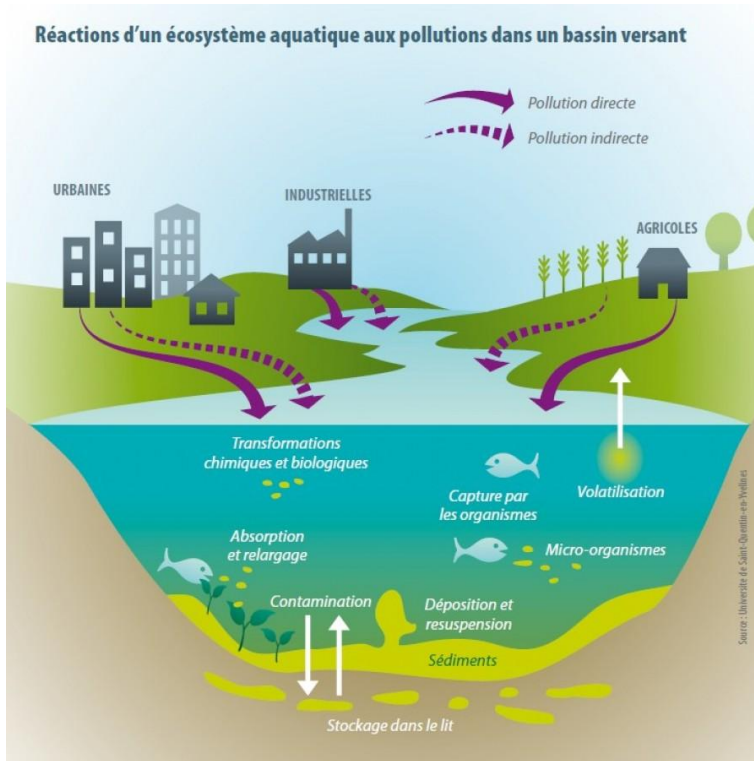


Distribution of proved reserves in 1999, 2009 and 2019
Percentage

- Middle East
- S. & Cent. America
- North America
- CIS
- Africa
- Asia Pacific
- Europe



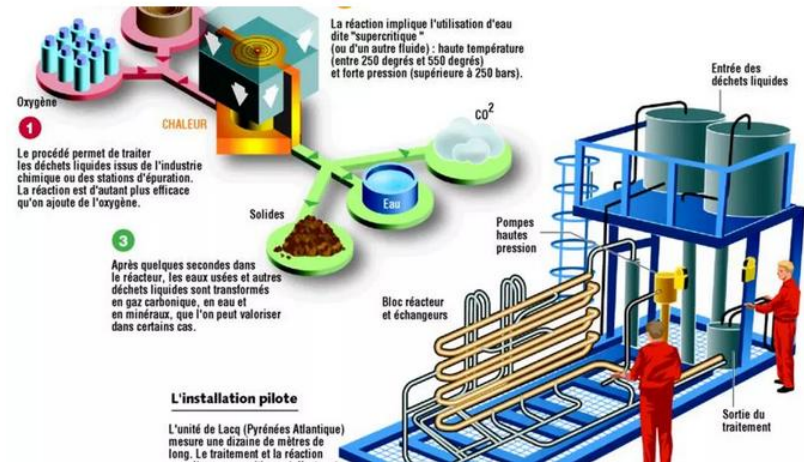
4. THE DIFFERENT TYPES OF POLLUTION



5. DETECTION AND TREATMENT OF POLLUTANTS AND WASTE

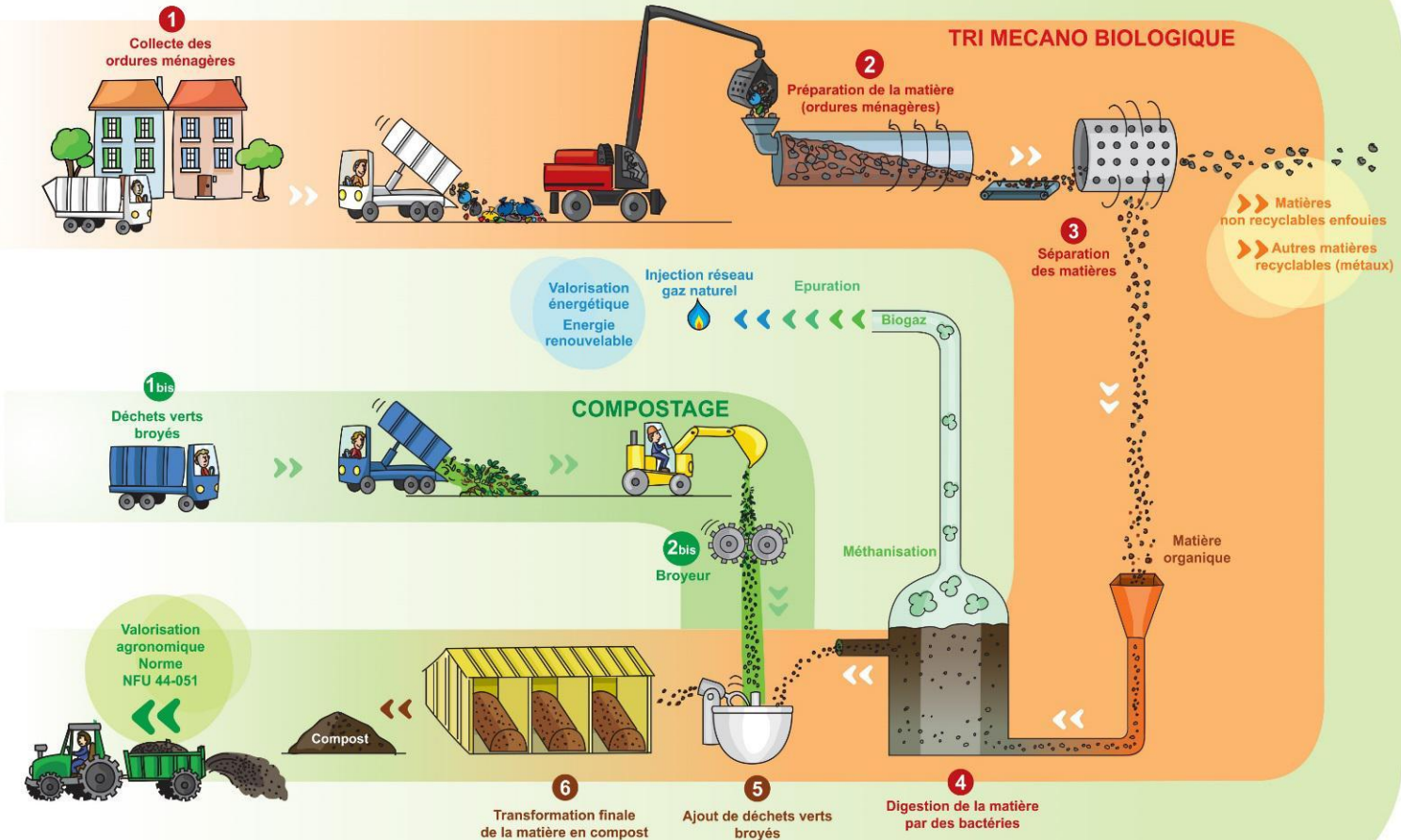


- CO
- H₂S
- O₂
- LIE
- COV

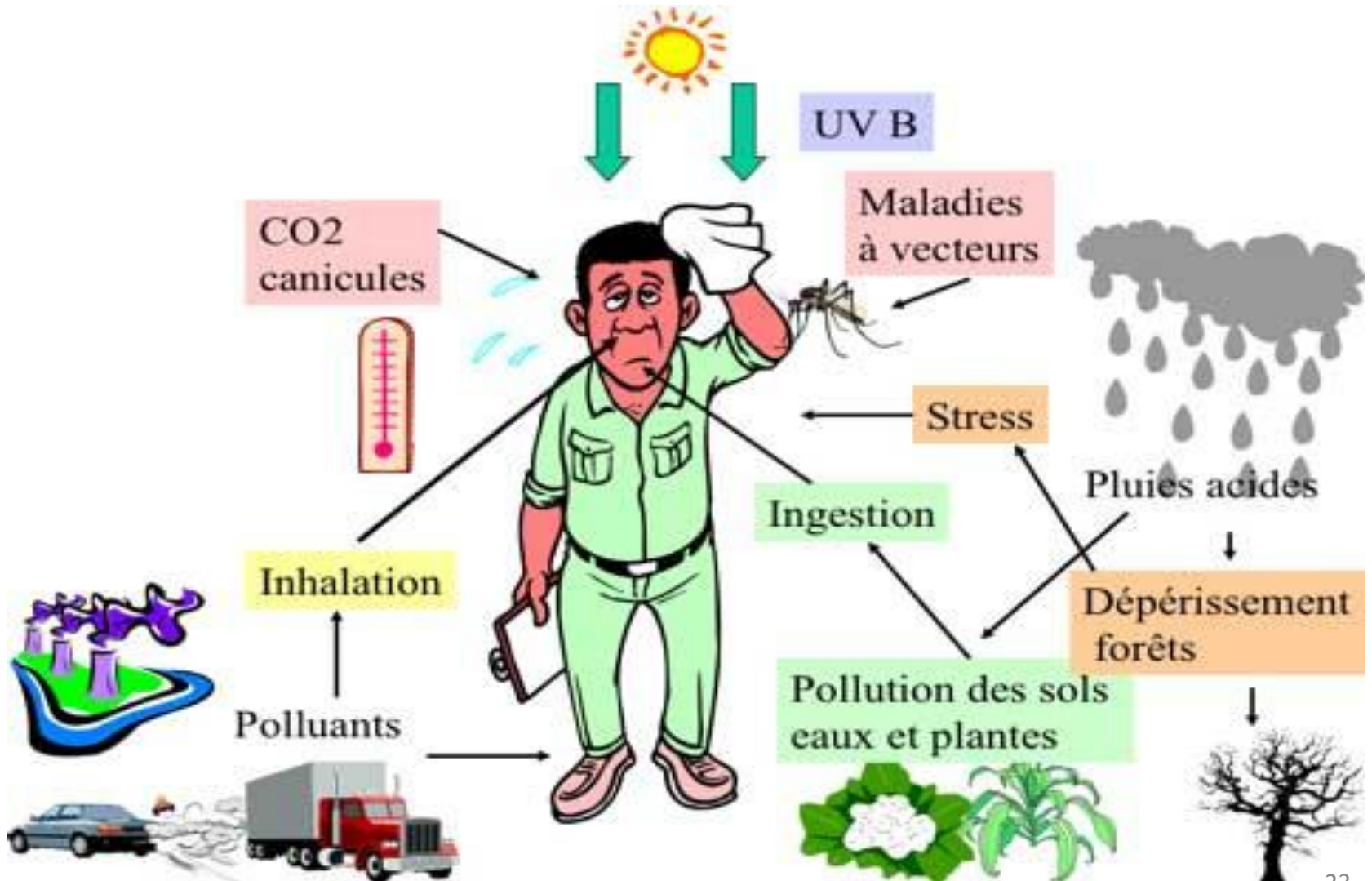


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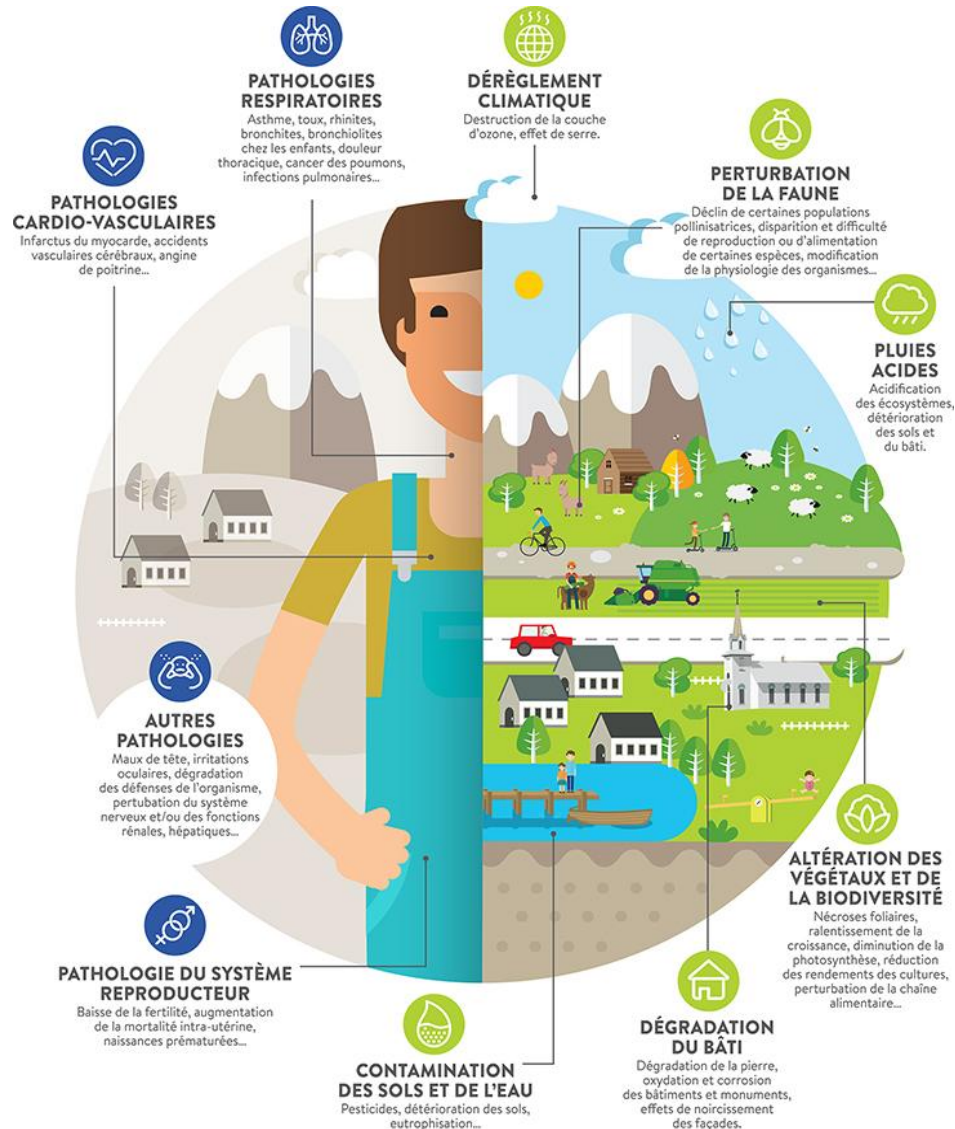
L'unité de tri-méthanisation-compostage ECOCEA



6. IMPACT OF POLLUTION ON HEALTH AND THE ENVIRONMENT



6. IMPACT OF POLLUTION ON HEALTH AND THE ENVIRONMENT





Are there any questions!
