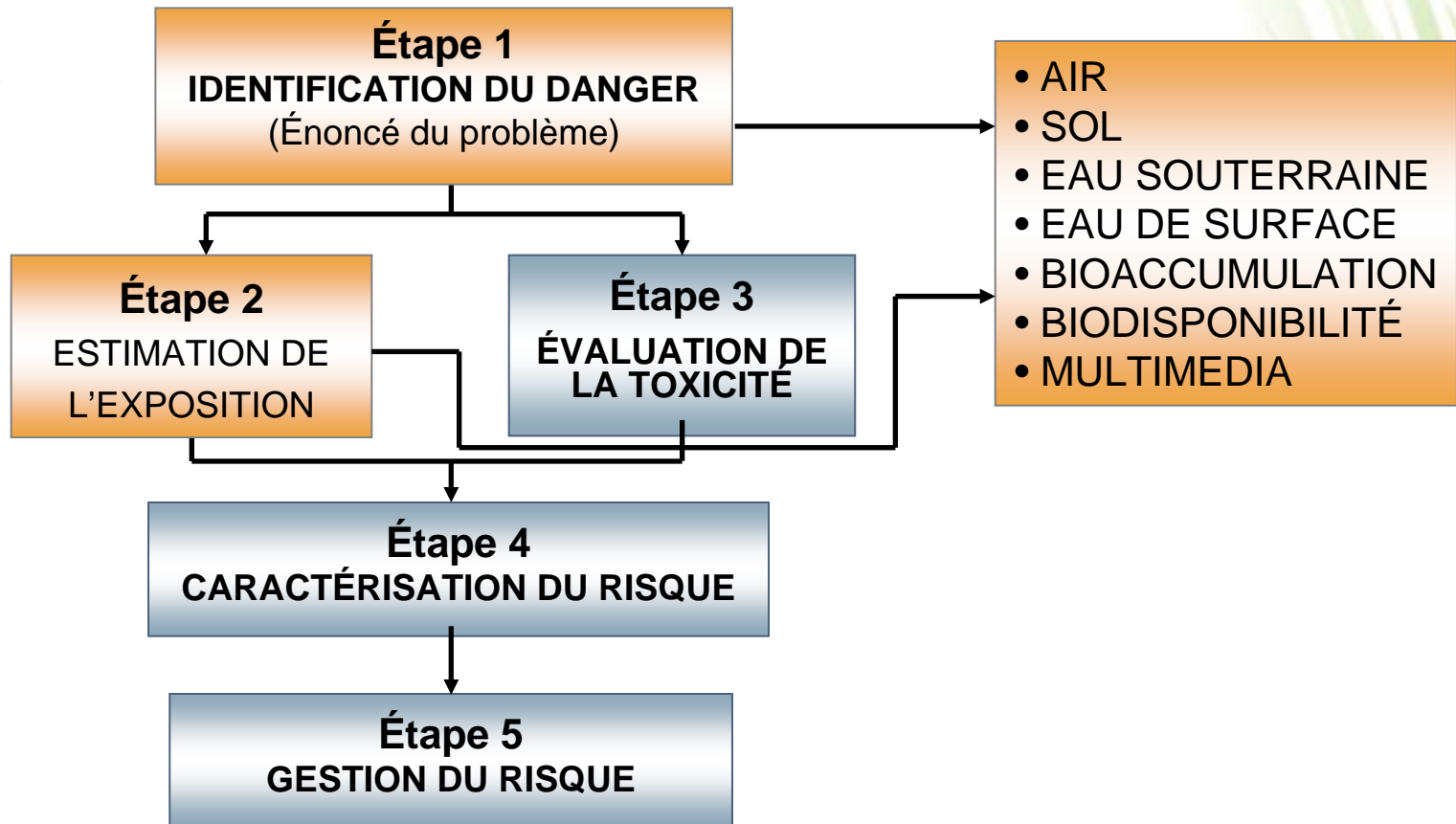


Modélisation environnementale



*De meilleures prédictions
pour de meilleures décisions*

Modélisation en analyse de risque



Types de modèles environnementaux

MODÈLES MULTIMÉDIA

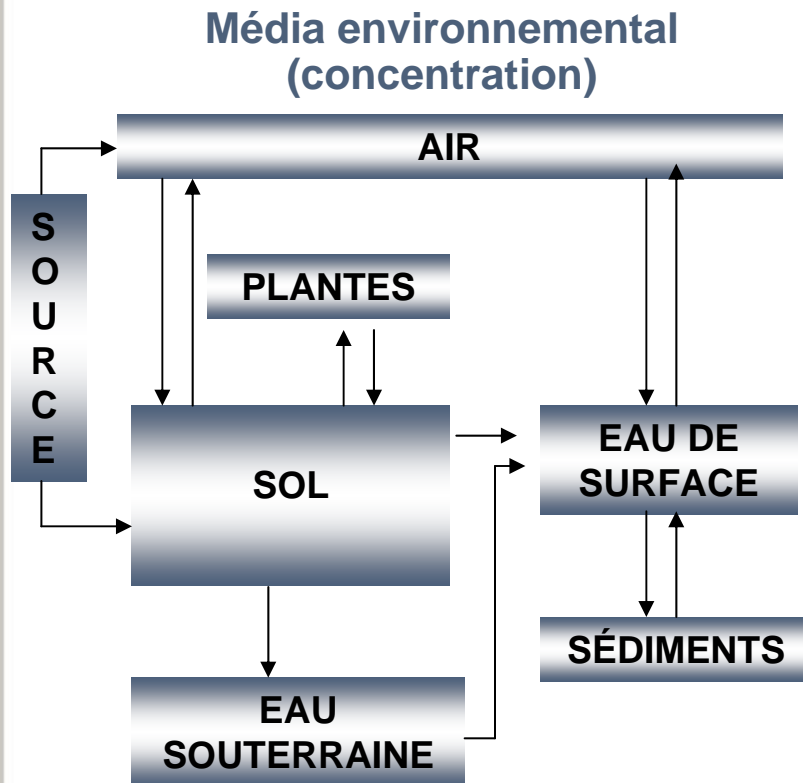
- CalTOX, RISC, RBCA Tool kit, IMPACT, MEPAS, ChemCAN, GEOTOX

MODÈLES MONO COMPARTIMENTAL

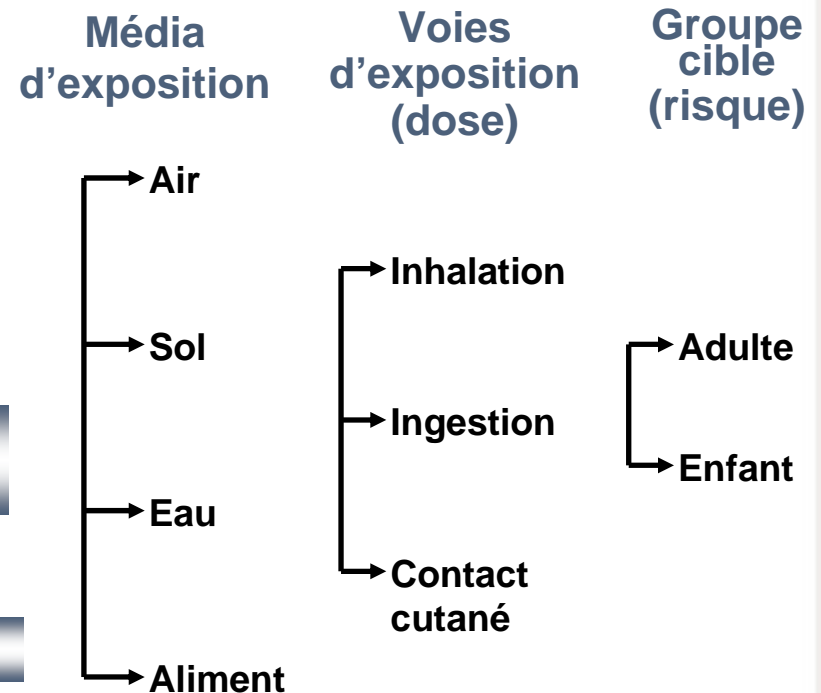
- AIR : SCREEN, ISCST, CALINE4, BOX MODEL
- SOL : SESOIL, MOFAT, Jury, Johnson&Ettinger
- EAU SOUTERRAINE : AT123D, MODFLOW
- EAU DE SURFACE : QUAL2E, STREAM
- BIODISPONIBILITÉ, BIOACCUMULATION: modèles empiriques

Modèle Multimédia: CaITOX

COMPOSANTE 1: MODÈLE DE DEVENIR ENVIRONNEMENTAL



COMPOSANTE 2: MODÈLE D'EXPOSITION HUMAINE



Modèle Multimédia: RBCA tool kit

Exposure Pathway Flowchart

Site Name: _____ Job ID: _____
 Location: _____ Date: d-janv-yy
 Compl. By: _____

Source Media	Transport Mechanisms	Exposure Media	Receptors		
			On-site	Off-site1	Off-site2
Affected Surficial Soils	Wind Erosion	Soil Dermal Contact and Ingestion	<i>Res./Constr.</i>	<i>NA</i>	<i>NA</i>
Affected Subsurface Soils	Volatilization	Air Inhalation of Vapor and/or Particulates	Outdoor Air: <i>Res./Constr.</i>	<i>Residential</i>	<i>Residential</i>
Affected Groundwater	Leaching	Groundwater Potable Water Ingestion	Indoor Air: <i>Residential</i>	<i>NA</i>	<i>NA</i>
		Surface Water Swimming, Fish Consumption, Aquatic Life	<i>Residential</i>	<i>Residential</i>	<i>None</i>



SOURCE → **TRANSPORT** → **RECEPTOR**

Commands and Options: [Return](#) [Print Sheet](#) [Help](#)

Modèle Multimédia: RISC

RISC

File Information

 Description: 

Save Date:

Choose Options for Estimating Indoor or Outdoor Air Concentrations:

Choose Indoor or Outdoor Air

Estimate/Enter Air Concentrations:

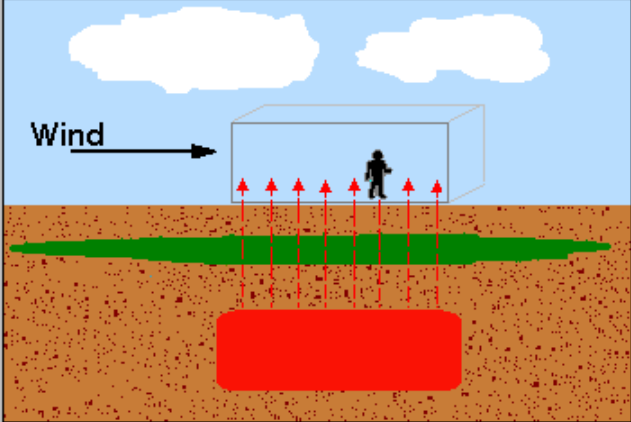
- Indoor air concentrations
- Outdoor air concentrations

Choose Model

Options for Estimating Concentrations:

- Fixed air concentrations
- Vapor model from groundwater
- Vapor model from soil
 - Johnson and Ettinger
 - Dominant layer model
 - Oxygen-limited model

Source Term: Soil Soil Gas



The diagram illustrates a cross-section of a building and the ground below. A person is shown inside the building. An arrow labeled 'Wind' points towards the building. Below the ground surface, a red rectangular area represents a source of contaminants. Red arrows point upwards from this source through the soil and into the building, indicating the path of air or vapor entering the indoor environment.



QSAR
SERVICE D'ANALYSE DE RISQUE

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