

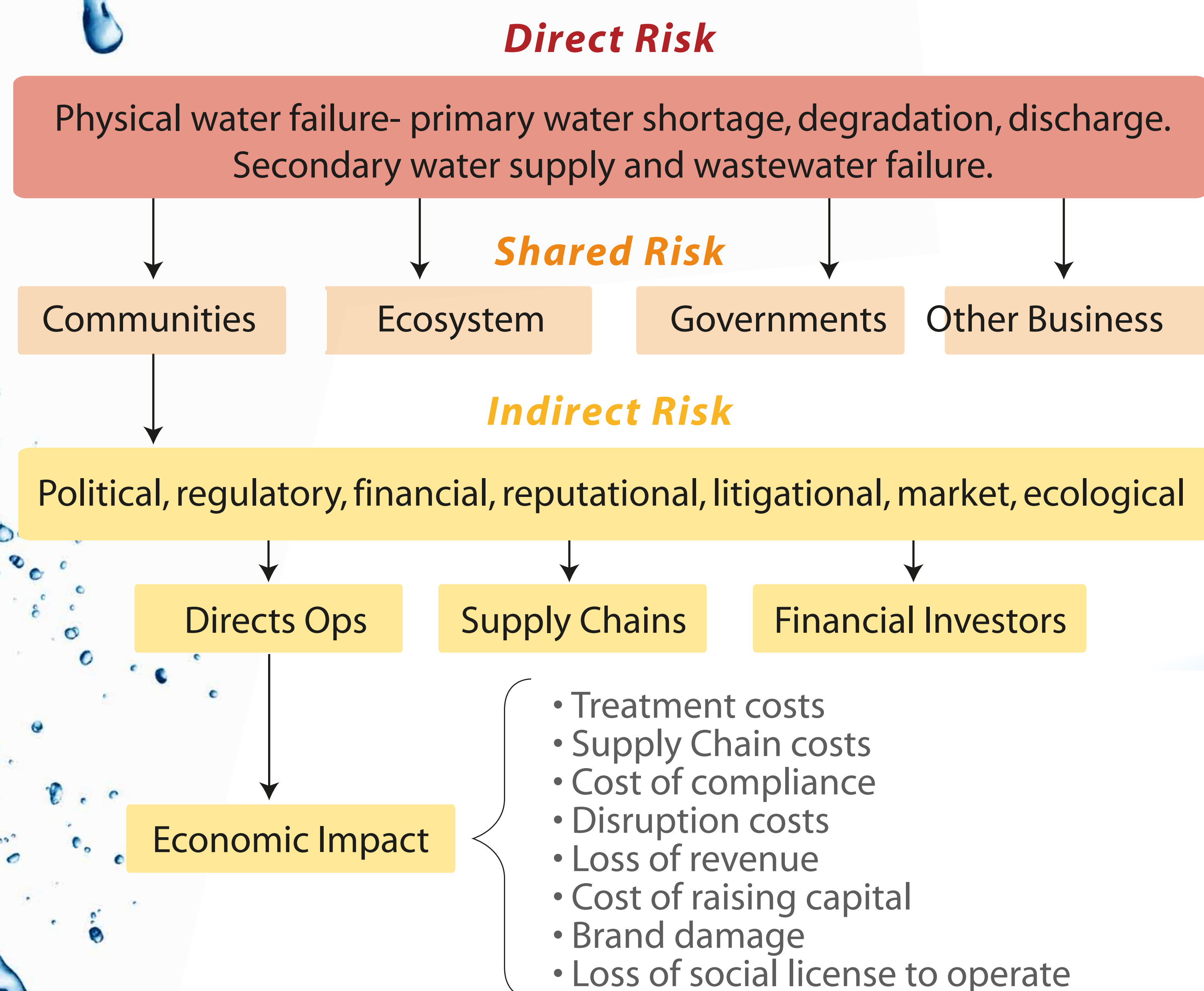
WATER FOOTPRINT:

A Tool for Assessing Water Risk and Opportunities for Business

Water is crucial for the economy. Virtually every industry relies on it for growth and sustainability. Yet water is becoming scarcer globally, and indications are that it will become more so in the future.

"When the well's dry, we know the worth of water." - Benjamin Franklin

WATER RISKS TO BUSINESS

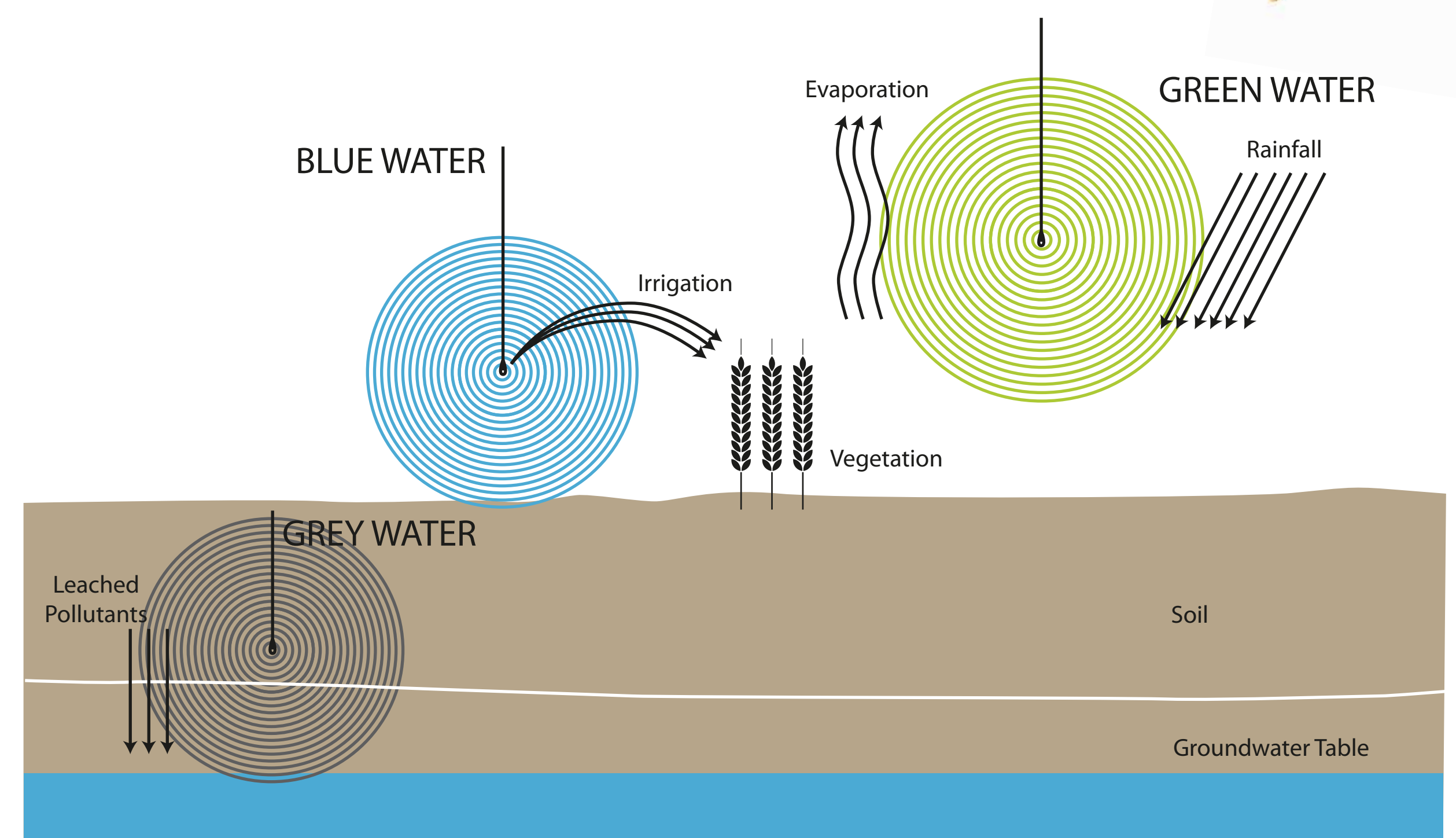


WHAT IS A WATER FOOTPRINT?

The **total volume of freshwater** that is used to produce the goods and services produced by a business. Water is measured in terms of water **volumes consumed** (evaporated) or polluted **per unit of time**.

- **Quantifies** the actual volume.
- Considers **when** and **where** the water is used.
- Considers the **type** of water used- green, blue and grey.
- Is interpreted within the **local context** of the natural and socio-economic environment of the region.
- Makes a **link between use** in one place **and impacts** on water systems elsewhere.

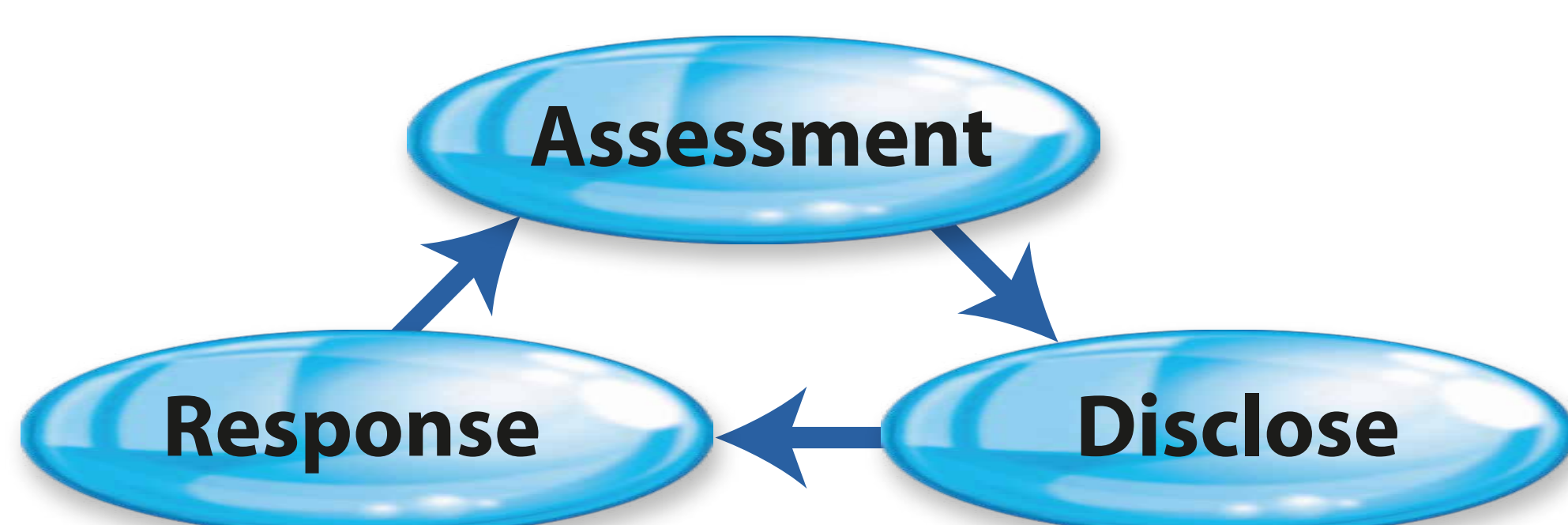
DIFFERENT TYPES OF WATER



HOW DO CORPORATES RESPOND?

Tools like water footprinting can help assess water use, quality issues and impacts. How much is used, when and where, in what proportion, at what risk and how to mitigate for these.

Water Strategy & Effective Management



SOLUTIONS

Operational Solutions

- Internal Actions & Supply Chain
- Reduction/offsetting of impacts

Strategic Solutions

- Integrate water issues into strategic planning and governance

Policy Solutions

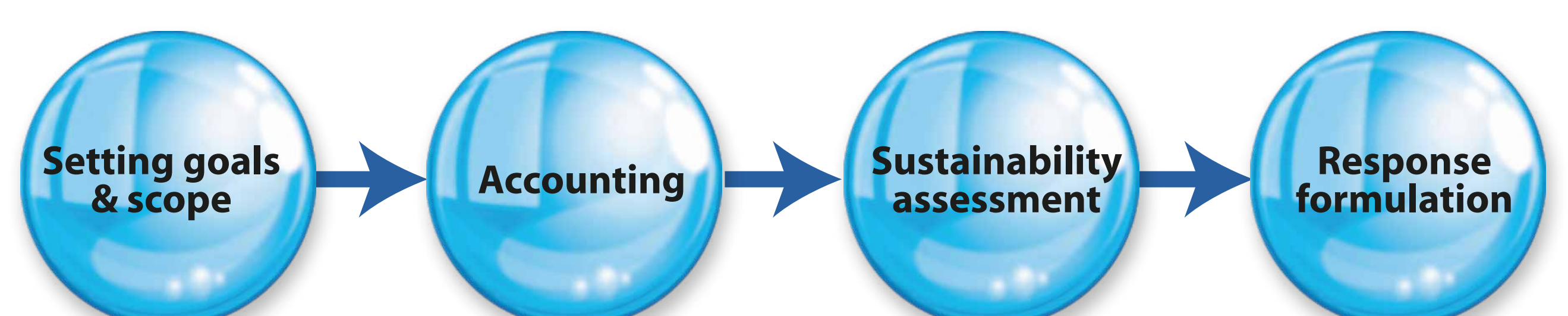
- Effective Advocacy
 - Local Action
 - Catchment engagement
 - National & International engagement

COMPONENTS OF A WATER FOOTPRINT

DIRECT	INDIRECT
e.g. The water used to grow the malt.	e.g. The water used to produce inputs (e.g. used to wash machines)
Green	Green
Blue	Blue
Grey	Grey

Consumption (Green, Blue) and Pollution (Grey) are indicated on the right side of the table.

STEPS OF WATER FOOTPRINT



Water Footprint
NETWORK

Water footprinting is being continually developed, disseminated and supported by the Water Footprint Network (WFN). The WFN promotes water stewardship through the development of the concept and methodology of 'water footprinting'. For more information and to download the Water Footprint Assessment Manual go to www.waterfootprint.org.

Diagrams sourced from Water Footprint Network.

Talbot & Talbot

LABORATORIES • ENGINEERING • GREEN ENERGY • OPERATIONS
+27(0) 333461444 • talbot@talbot.co.za • www.talbot.co.za