

# SUSTAINABLE MD INDEX

## IDMD

December 2025



# SUSTAINABLE MD INDEX (IDMD\*)

- Initiative launched by C2DS\*\*. Cofinanced Snitem/C2DS
  - Work started in January 2024
- Initial objectives:
  - Decision-making tool for purchasing, between two similar MD
  - Simple and operational. To harmonize criteria
  - Data accessible to manufacturers
- Methodology : Afnor Spec
  - Robust and reliable framework
  - Ensuring consensus
- Mixed working group of manufacturers, pharmacists, and buyers
- Tests conducted by manufacturers to adjust the methodology



\* IDMD : Index DM Durable (Sustainable Medical Device Index)

\*\*C2DS : Comité pour le Développement Durable en Santé (hospitals and clinics)

# SUSTAINABLE MD INDEX

- Definition of 6 “vulnerabilities”
- Elaboration of criteria and associated scales

## ENVIRONMENTAL ASPECT

### 1. GES

- Types of raw materials
- Energy impacts
- Transportation

### 2. Water

- Consumption in manufacturing phase: reduction target
- Consumption during use
- Water reusability

### 3. Waste Management

- Recycled materials in the device
- Separability
- Recycled materials in packaging
- Packaging recyclability

### 4. Toxicity/Bioaccumulation

- Risk substances (manufacturing process and final product)
- User information (labeling/instructions)



➔ 1 overall score MD + 1 score per vulnerability

## SOCIAL ASPECT

### 5. Health and Safety at Work

- Investments in work environment
- Social practices in the manufacturing country
- Prevention/safety systems
- Monitoring of work accidents

### 6. Inclusion and Diversity

- Demographic composition (young, seniors, women/men)
- Salary equity
- Inclusion of people with disabilities
- Anti-discrimination efforts

# CRITERIA AND SCALES

| Vulnerability                                 | Criteria                            | Scoring item                                   | Weighting |
|---|-------------------------------------|--|-----------|
| 1 - Vulnerability 1 - Greenhouse gas emission | Criterion 1 - Type of raw materials | Carbon intensity of the product                | 10 points |
|   |                                     | Rare materials                                 | 5 points  |
|   | Criterion 2 - Energy impacts        | Main production site                           | 5 points  |
|   |                                     | Use of green or renewable energy sources       | 10 points |
|   | Criterion 3 - Transportation        | Mode of transportation and distances travelled | 5 points  |
|   |                                     | Multi-site manufacturing                       | 5 points  |
|   | Criterion 1 - Quantity of water     | Water consumption for manufacturing            | 5 points  |
|   |                                     | Water consumption for use                      | 5 points  |
| 2 - Vulnerability 2 - Water consumption       | Criterion 2 - Water reusability     | /  | 5 points  |
|   | Criterion 1 - Medical device        | Proportion of recycled material                | 5 points  |
|   |                                     | Separability of the parts of the device        | 5 points  |
|   | Criterion 2 - Packaging             | Proportion of recyclable material              | 5 points  |
|   |                                     | Recycled materials used for packaging          | 5 points  |

Exemple

| Scale (CO <sub>2</sub> eq/kWh) | Score    |
|--------------------------------|----------|
| < 20                           | 5 points |
| < 40                           | 4 points |
| < 200                          | 3 points |
| < 400                          | 2 points |
| < 600                          | 1 point  |
| 600 or more                    | 0 points |

Data base : Total electricity mix carbon intensity indicator:  
<https://app.electricitymaps.com/map/all/yearly>

Exemple

| Water reuse rate                    | Score    |
|-------------------------------------|----------|
| Between 0% and 1%                   | 0 points |
| 1% to 30%                           | 1 point  |
| 30% to 60%                          | 3 points |
| 60% to 100%                         | 5 points |
| No water required for MD production | 5 points |

Part of water reused on the total quantity of water consumed on the main production site (if MD manufacturing process requires water).

# CRITERIA AND SCALES

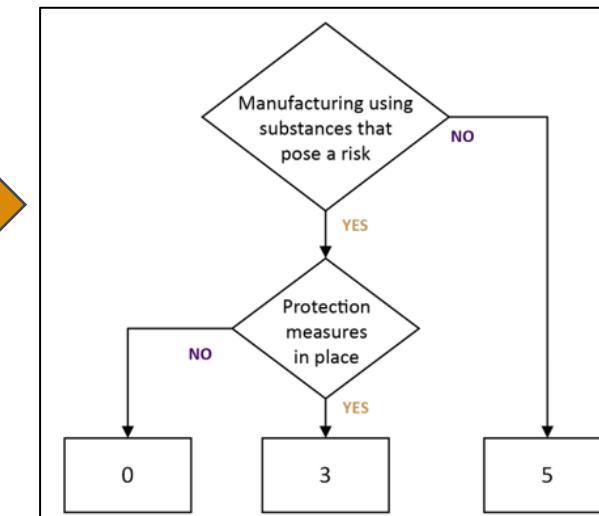
| Vulnerability   | Criteria   | Scoring item                                | Weighting |
|---|--|---|-----------|
| 4 - Vulnerability 4 - Health, safety and working conditions | Criterion 1 - Working environments                                     | Investments                                 | 3 points  |
|   |  | Operating expenditure                       | 4 points  |
|   | Criterion 2 - Social practices in the country                          | SPI   | 5 points  |
|   | Criteria 3 - Occupational health and safety protection system          | Percentage of workforce covered             | 3 points  |
|   | Criterion 4 - Occupational accidents                                   | Number of fatalities and OA rate            | 5 points  |
| 5 - Vulnerability 5 - Bioaccumulation and toxicity          | Criterion 1 - Manufacturing phase                                      | Manufacturing process                       | 5 points  |
|   |  | Finished product                            | 5 points  |
|   | Criterion 2 - Use phase  | Labelling                                   | 5 points  |
|   |  | Information                                 | 5 points  |
| 6 - Vulnerability 6 - Inclusion and diversity               | Criterion 1 - Demographic composition                                  | Employment of young people and seniors      | 10 points |
|   |  | Gender distribution at top management level | 10 points |
|   | Criterion 2 - Pay equity   | /   | 20 points |
|   | Criterion 3 - Accessibility and inclusion of persons with disabilities | /   | 20 points |
|   | Criterion 4- Fight against discrimination                              | /   | 20 points |

Exemple

| SPI              | Note     |
|------------------|----------|
| < 70 %           | 0 point  |
| ≥ 70 % et < 80 % | 3 points |
| ≥ 80 %           | 5 points |

Date base: Global Social Progress Index (SPI):  
<https://www.socialprogress.org/social-progress-index>

Exemple



Use of substances that pose risk in manufacturing process.  
 (\* »Substance that pose risk » according to definitions in MDR and REACH)

Exemple

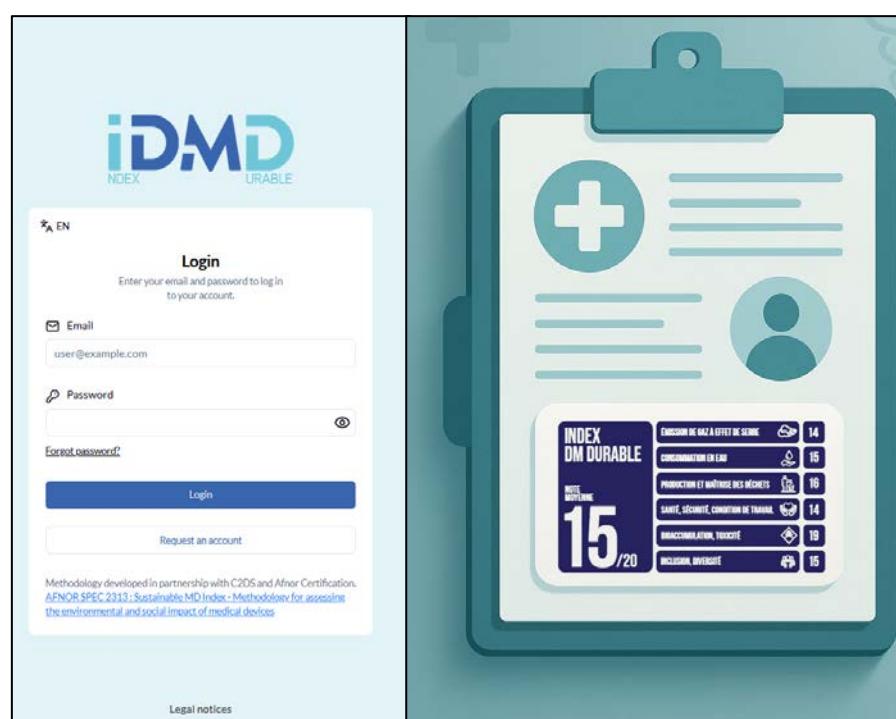
| Representativeness rate | 0% to 3% | 3% to 9%  | 9% and over |
|-------------------------|----------|-----------|-------------|
| Score                   | 4 points | 12 points | 20 points   |

Proportion of persons with disabilities represented among the company's employees (on main production site).

# ONLINE AUTOMATED TOOL

- To help manufacturers to calculate IDMD of their products
- Only manufacturers have access to their data (not even the Snitem)
- The platform generates a PDF with the score, to be provided as part of tenders

→ [Link on Snitem.fr](https://snitem.fr)



SNITEM LE DISPOSITIF MÉDICAL **IDMD** INDEX Pour faire avancer le santé

Products Production sites My account ? A EN Logout

Back Test product Courbevoie (France)

Greenhouse gas emission

Water consumption

Waste production and management

Health, safety, and working conditions

Bioaccumulation and toxicity

Inclusion and diversity

Greenhouse gas emission

Type of raw materials Cf. Afnor standard 2313-§6.3.1

Main composition of the product

|                    |          |    |
|--------------------|----------|----|
| New aluminium      | Mass (g) | 12 |
| PP - polypropylene | 25       |    |
| scratch            | 1.2      |    |
| Epoxy adhesive     | 4        |    |

+ Add a raw material

Presence of rare materials

Energy impacts Cf. Afnor standard 2313-§6.3.2

Main production country

France (33.44 gCO2/kWh)

Renewable energy supply contract

On-site renewable energy production

Mode of transportation Cf. Afnor standard 2313-§6.3.3

See the score

Save

Fields related to the production site and not modifiable

## IDMD is :

- ✓ A tool:
  - For comparison
  - Voluntary
  - Simplifying
  - Harmonizing
- ✓ Product-focused
- ✓ Based on existing criteria (CSRD, national databases, ...)
- ✓ Complementing to existing tools (labels, indices, ...)

## IDMD is not :

- ✓ Environmental labeling
- ✓ An evaluation tool for environmental or social virtue
- ✓ Exhaustive !
- ✓ Redundant with other tools

# IMPLEMENTATION TIMELINES

- **Methodology** available for free on Afnor website
- **Automated tool** for manufacturers only available on Snitem website
- **Implementation :**
  - Adoption by buyers and manufacturers: june > December 2025...
  - Start integration of IDMD in Tenders : ~Q4 2025, ideally on an optional basis
  - Collection of feedback throughout the deployment phase (work on potential version 2 from 2026)



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