Which are the uses of **blockchain**?

Blockchain is a **transfer of digital data**, with very sophisticated encryption, between **multiple interconnected nodes** which record and validate it.

Benefits

No intermediaries	It cannot be altered	It cannot go down and information cannot be lost	Traceability	Privacy

Uses

1 — **Food**
Ensures **traceability**.

2 — **Electronic voting**
Guarantees signatures and prevents hacking.

3 — **Privacy of databases**
In healthcare, security, tourism, etc.

4 — **Financial transactions**
Cheaper and more streamlined.

5 — **Government institutions**
Provides **real-time information** and transparency.

6 — **Internet of things**
Domestic appliances can make their **own purchases**.

7 — **NGOs**
Makes donations more **secure and more transparent.**

8 — **Renewable energy**
Streamlines transactions between operators, **certifies the renewable origin** and allows the user to produce and transfer renewable energy.

9 — **Smart contracts**
These are automatically performed when both parties fulfil the agreed terms. If the contract is not fulfilled, an automatic reimbursement takes place.