



**Paper
recycling**



What types of paper end up in the garbage and where do they come from ?

The papers that can be recycled :

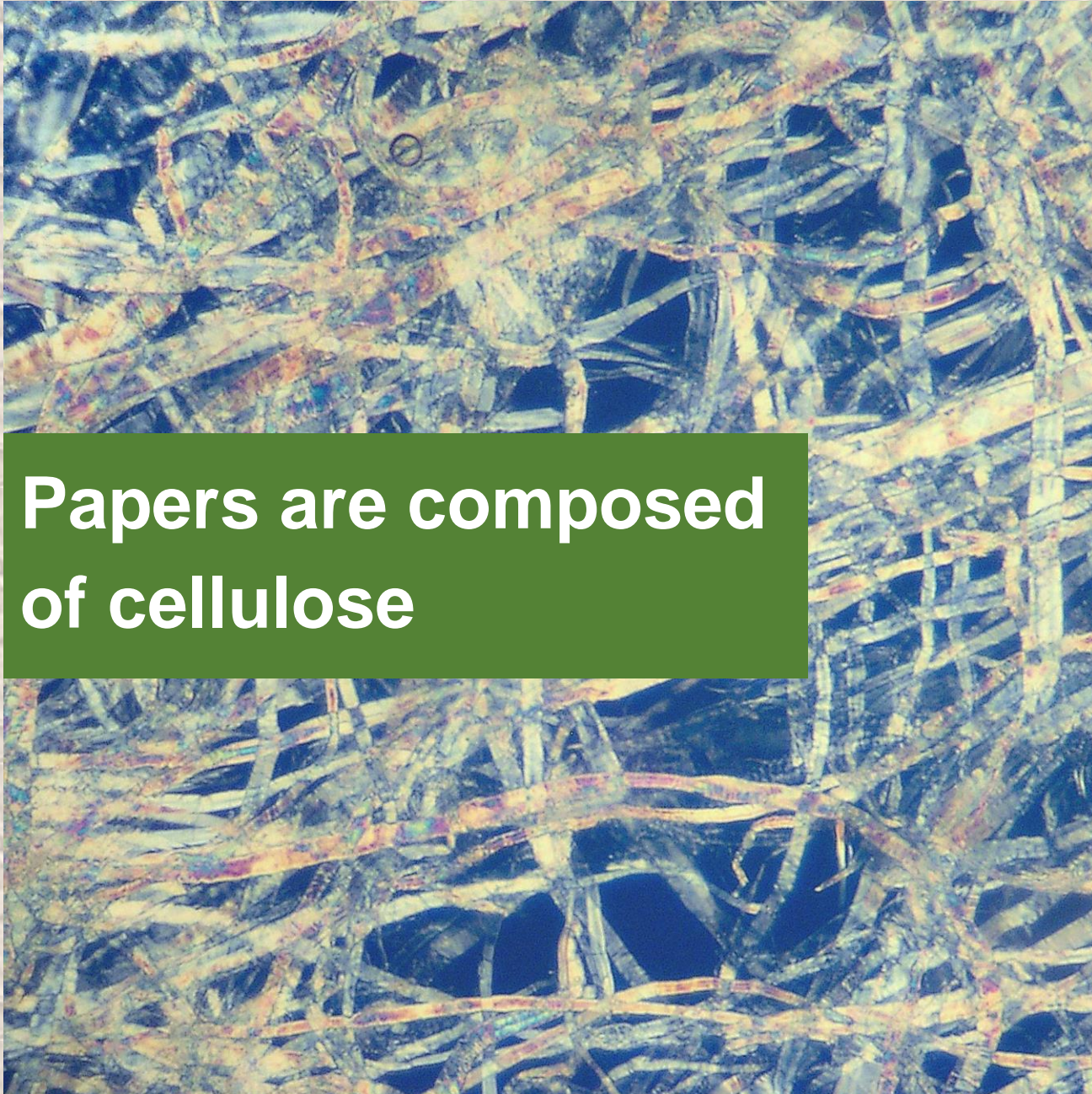
- the newspapers
- the advertisements
- the catalogs
- the envelopes
- the notepads
- the sheets...



The papers that can't be recycled :

- the towels
- the tissues
- the papers that have received a chemical treatment (tracing paper, gift paper, wallpaper...)





Papers are composed
of cellulose

Does it matter if it
is mixed ?

Cellulose is the
material which is used
in the recycling
process

What happens if paper is recycled with non-paper materials?



**RECYCLE
PAPER ONLY**

www.free-printable-signs.com



SYDEVOM

Check local guidelines :
may vary depending on
country, region and town.

Never recycle plastic or
metal alloy coated paper

How paper is collected in the different countries ?

- -Romania
- -Spain
- -Portugal
- -Germany
- -France

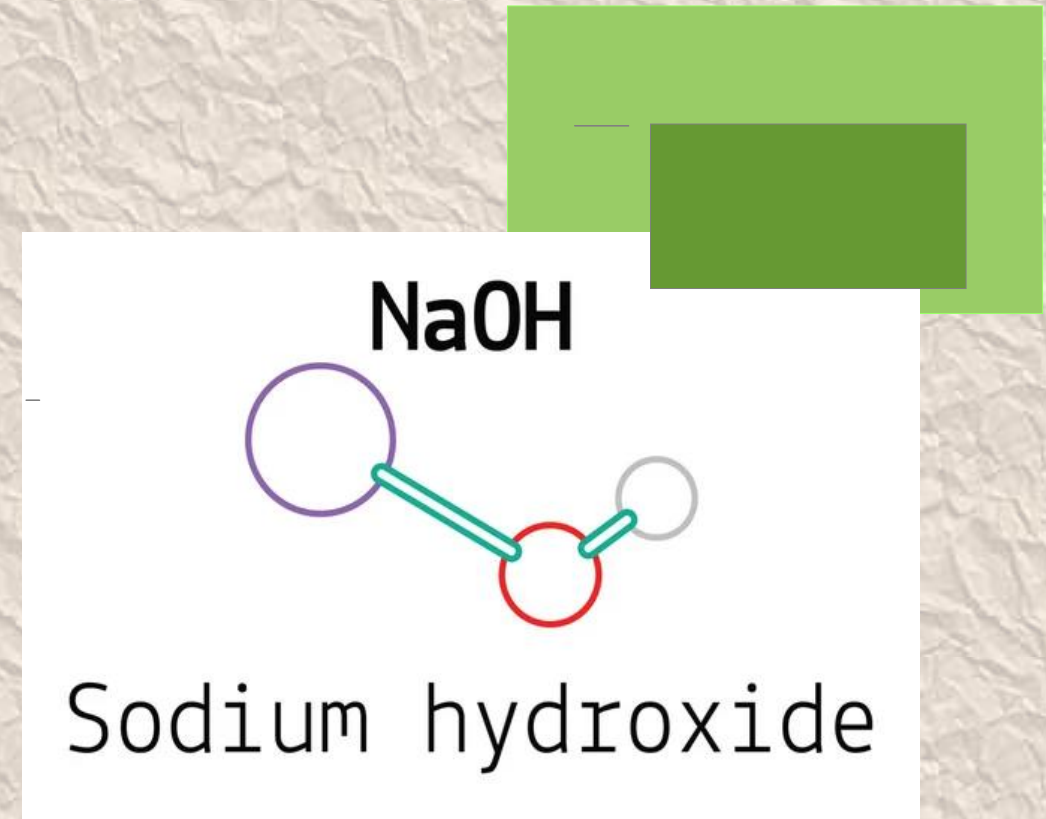


The recycling process



What is happening during the recycling process of paper ?

- Products used separately complicates and delays the de-inking process
- Excessive water use : 10 liters of water for a single sheet of paper and 35,000 liters of water for 1 ton of paper
- Products used (e.g. caustic soda): flammable, harmful to workers and has limited effectiveness



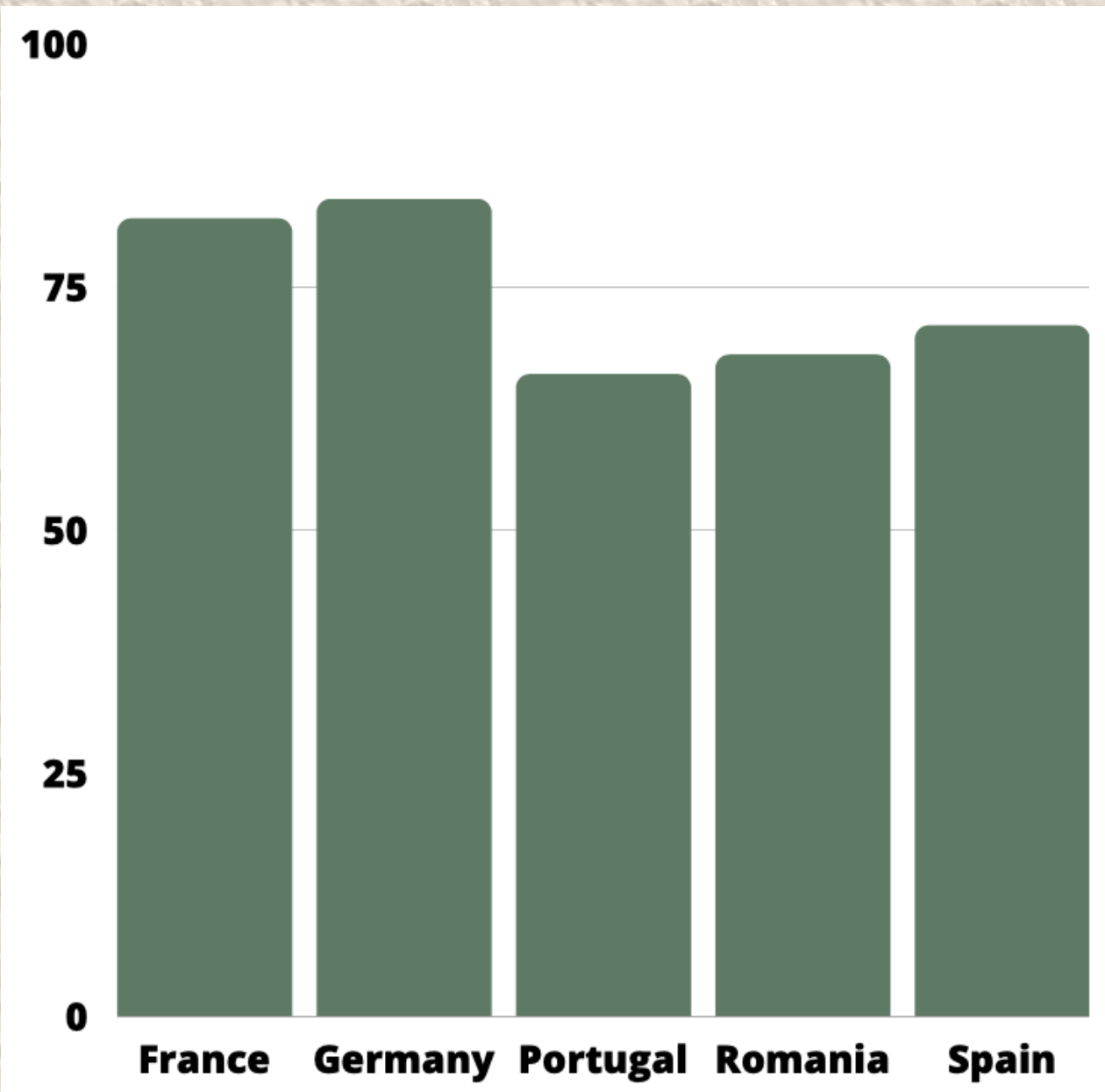
What percentage of energy is saved by recycling paper compared to new production?

To produce one ton of paper, it takes :

- 1.41 tons of wood ;
- 48.2 m³ of water;
- 10250 kWh of energy which emits 0.04 tons of CO₂;
- 25 times more chemical waste.

Recycling one ton of paper saves 4100 kWh

Paper recycling uses 60% of the energy needed to make paper from scratch.



Paper recycling rate

France : 82%

Germany : 84%

Portugal : 66%

Romania : 68%

Spain : 71%

How to make paper recycling as efficient as possible ?

Do not wishcycle!

CEPI: Separate
paper collection



Cepi

Problems and opportunities for improvement in the recycling of paper

- Digitization of documents : problems due to storage in data centers and melting glaciers
- Print as few things as possible or double-sided
- Use as little paper as possible, for example by drying your hands with a dryer



- For water consumption : reuse wastewater by filtering it
- Use soluble ink