

M3: Role Cards

FOREST OWNER

You own a forest in Sweden, Finland, Germany, Spain or Portugal which is managed sustainably and you produce virgin wood for the paper industry.

Take a look at the diagram and answer the following questions:

- » Which step in the production process precedes your production step?
- » Where does your product go?
- » Which is your correct position in the papermaking process?
- » What else is needed for your production step (e.g. manpower, energy, water, chemicals...)?

Optional question: Which questions do you have regarding this part of the papermaking process?



WOODYARD MANAGER

You buy wood and process raw logs into boards and beams. You either sell high-quality wood boards and beams to traders and send leftovers to pulp mills, or you buy wood of a lesser quality and sell all of it to pulp mills. The European paper industry primarily sources wood from within Europe, with over 90% coming from native EU forests and plantations, while only a small percentage is imported from outside the continent.

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Optional question: Which questions do you have regarding this part of the papermaking process?

PULP MILL MANAGER

In your pulp mill mechanical and chemical pulping of wood takes place. Approximately 90 percent of the wood comes from European countries such as Sweden, Finland, Germany, Spain or Portugal. Approximately 10 percent of wood for pulp in Europe comes from outside the continent, including Canada, the United States, China, and South America, especially from timber plantations.

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Optional question: Which questions do you have regarding this part of the papermaking process?



MANAGER OF A CLEANING FACILITY

You are the manager of a cleaning facility. The cleaning of the wood pulp is either done in a pulp mill or in a paper mill. You try to re-use chemicals, you need to clean the water and use as little energy as possible.

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Optional question: Which questions do you have regarding this part of the papermaking process?

MANAGER IN A PAPER MILL RESPONSIBLE FOR DILUTING, PRESSING AND DRYING

You manage a part of a paper mill. Here, the wood pulp is diluted with 100 times its weight and spread on the wire section. The fibre liquid is then run through the machine where it is pressed and dried. You try to re-use chemicals, you need to clean the water and use as little energy as possible.

Take a look at the diagram and answer the following questions:

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- » Where does your product go?
- » Which is your correct position in the papermaking process?
- » What else is needed for your production step (e.g. manpower, energy, water, chemicals...)?

Optional question: Which questions do you have regarding this part of the papermaking process?



MANAGER IN A PAPER MILL RESPONSIBLE FOR COATING, CALENDERING AND FINISHING

You manage part of a paper mill. Here, coating, calendaring and finishing take place. During the process of coating, coating colour containing pigments, binding agents and various additives is spread onto the paper surface. Then the paper can be calendered. A calender is a device with two or more rollers through which the paper is run. The rollers press the paper, and heat gives the paper its smooth look and feel.

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Optional question: Which questions do you have regarding this part of the papermaking process?

MANAGER OF A PAPER RECYCLING FACILITY

You are the manager of a paper recycling facility. Paper for recycling is dissolved into pulp to separate the component fibres. The ink is then removed from the pulp.

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Optional question: Which questions do you have regarding this part of the papermaking process?