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Aberdeen, 09-12 June 2009



Summary of Case Studies:

Rural Laos

Agricultural sector of Cairngorms National Park (Scotland)

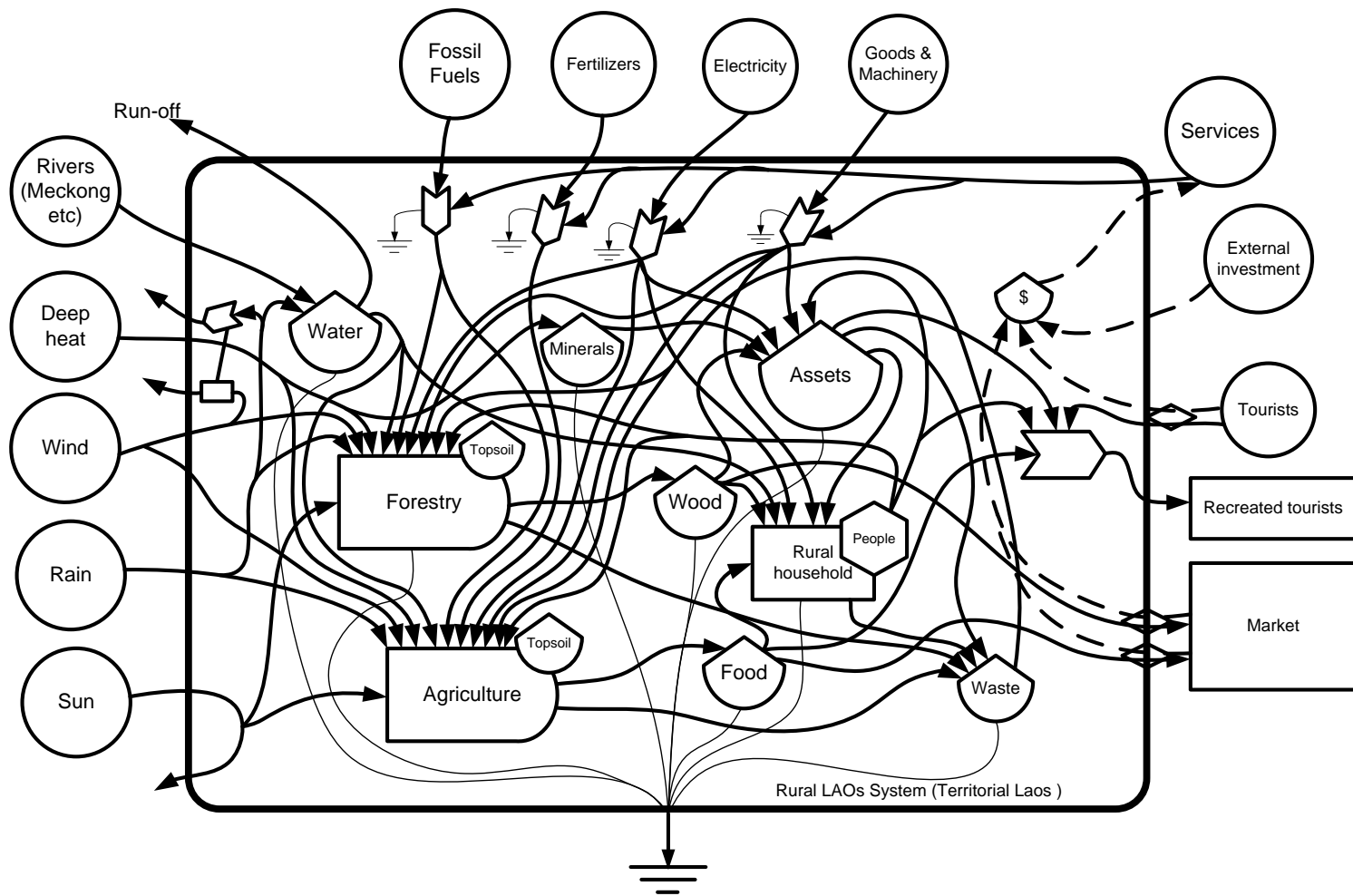
Finnish forestry

City of Barcelona

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Rural Laos

Rural Laos



Rural Laos

DATA NEEDED

Environmental inputs:

Solar radiation? Deep heat.

Imported inputs:

Fertilizers composition (N, PO₄, K₂O), unit measure.

Services:

Fertilizers and pesticides cost; labor cost.

Output:

Average of Economic value of Agricultural production, Average of dry matter and energy content, cropped area.

DATA AVAILABLE

Environmental inputs:

Rain, wind, soil erosion, land cropped.

Imported inputs:

The main input data of agricultural sector are available.

Services:

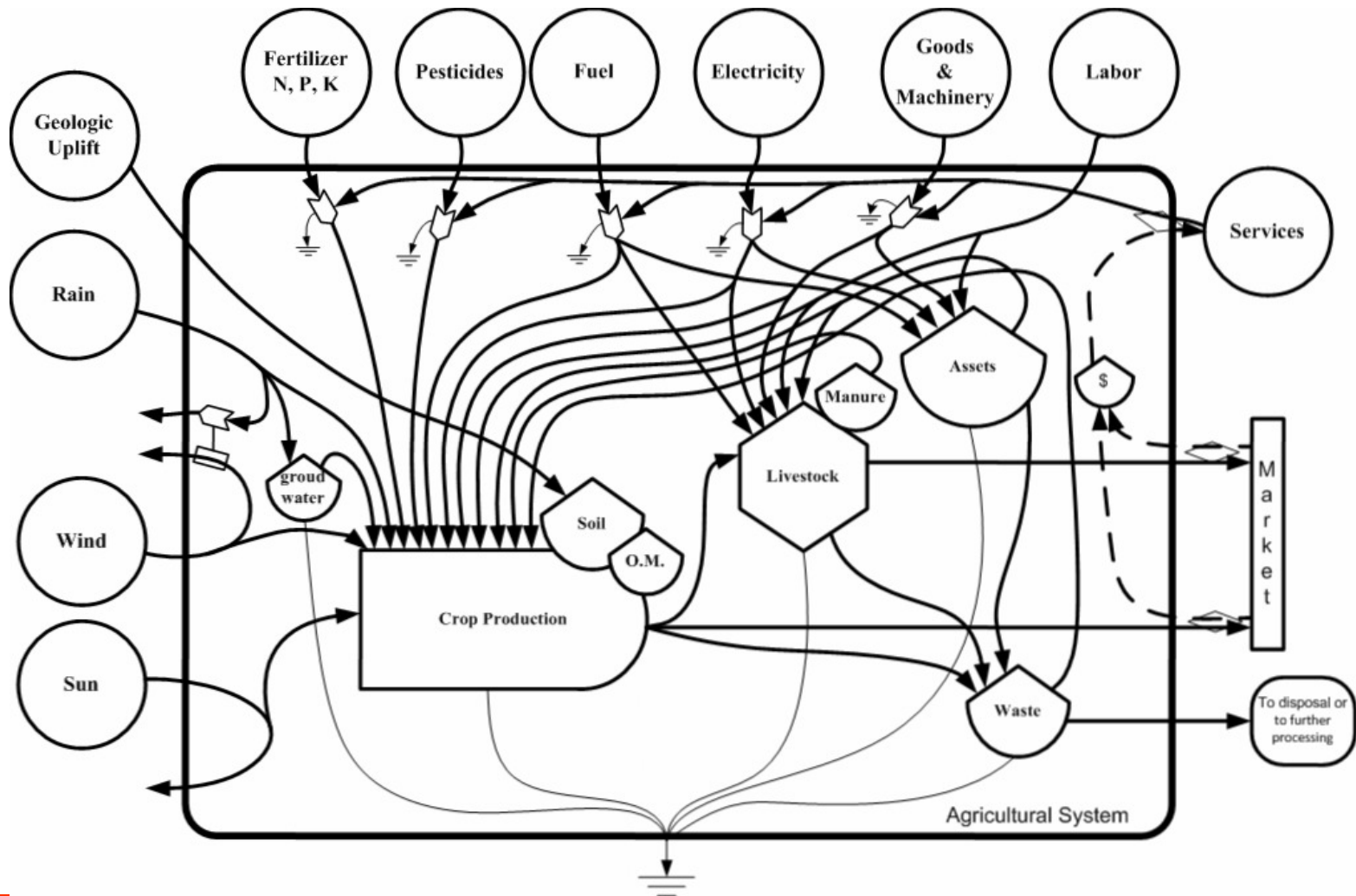
Fuels cost, water cost.

Output:

Fresh matter of agricultural production.

Agricultural sector of Cairngorms National Park (Scotland)

Agricultural sector of Cairngorms National Park (Scotland)



Agricultural sector of Cairngorms National Park (Scotland)

DATA NEEDED

Environmental inputs:

Imported inputs:

Services:

Output:

DATA AVAILABLE

Environmental inputs:

Rainfall, geothermal flow, total cropped area.

Imported inputs:

The main inputs are available.

Services:

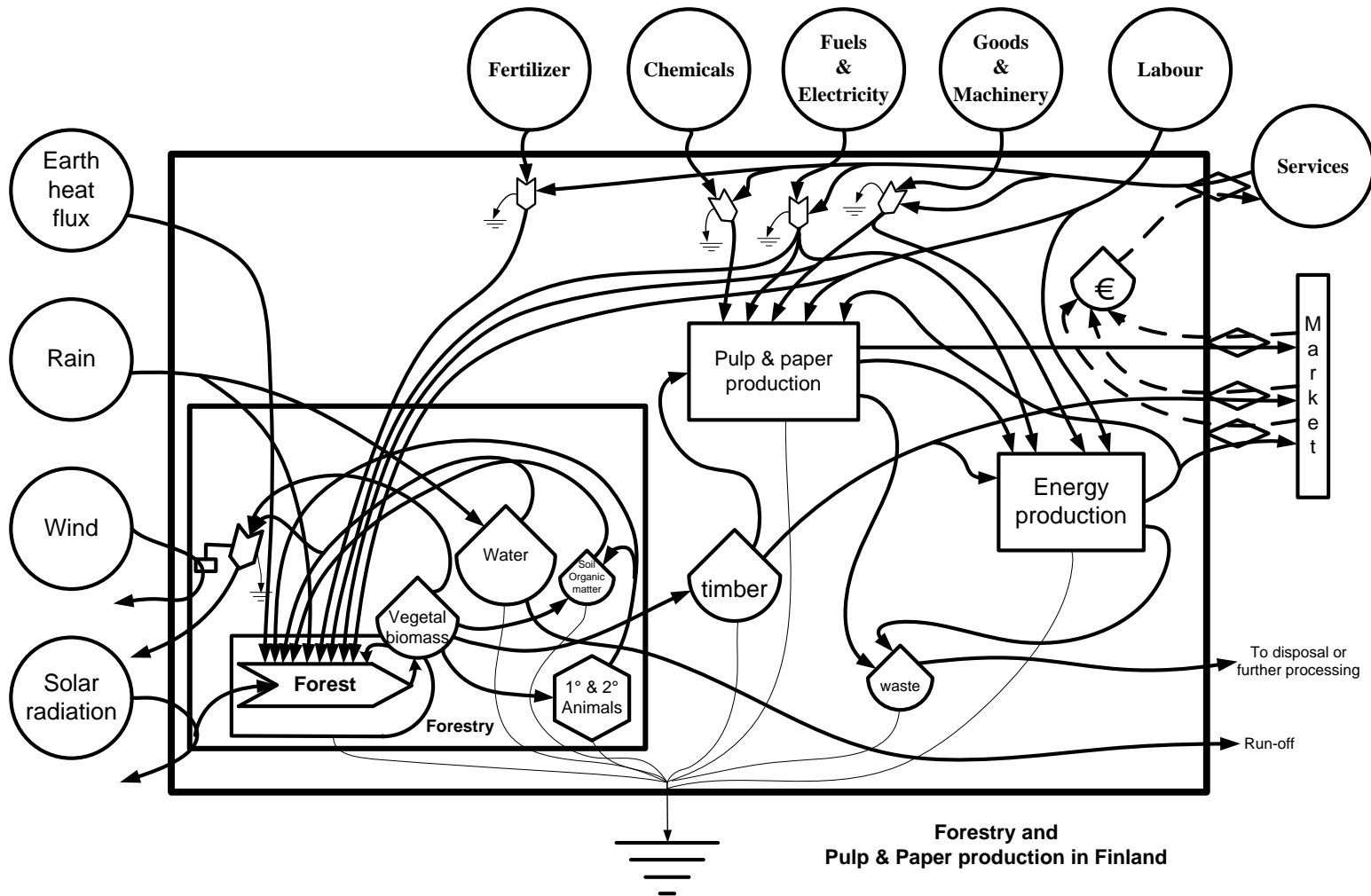
The main cost are available.

Output:

Land of main crops, energy content, economic value, main livestock products.

Finnish case study

Finnish forestry and pulp & paper production



Finnish forestry

DATA NEEDED

Environmental inputs:

Deep heat

Imported inputs:

Fuels consumption, fertilizers (not used?). All data for the pruning and harvesting phase. Labor for the final cutting.

Services:

Output:

DATA AVAILABLE

Environmental inputs:

Main environmental data are available.

Imported inputs:

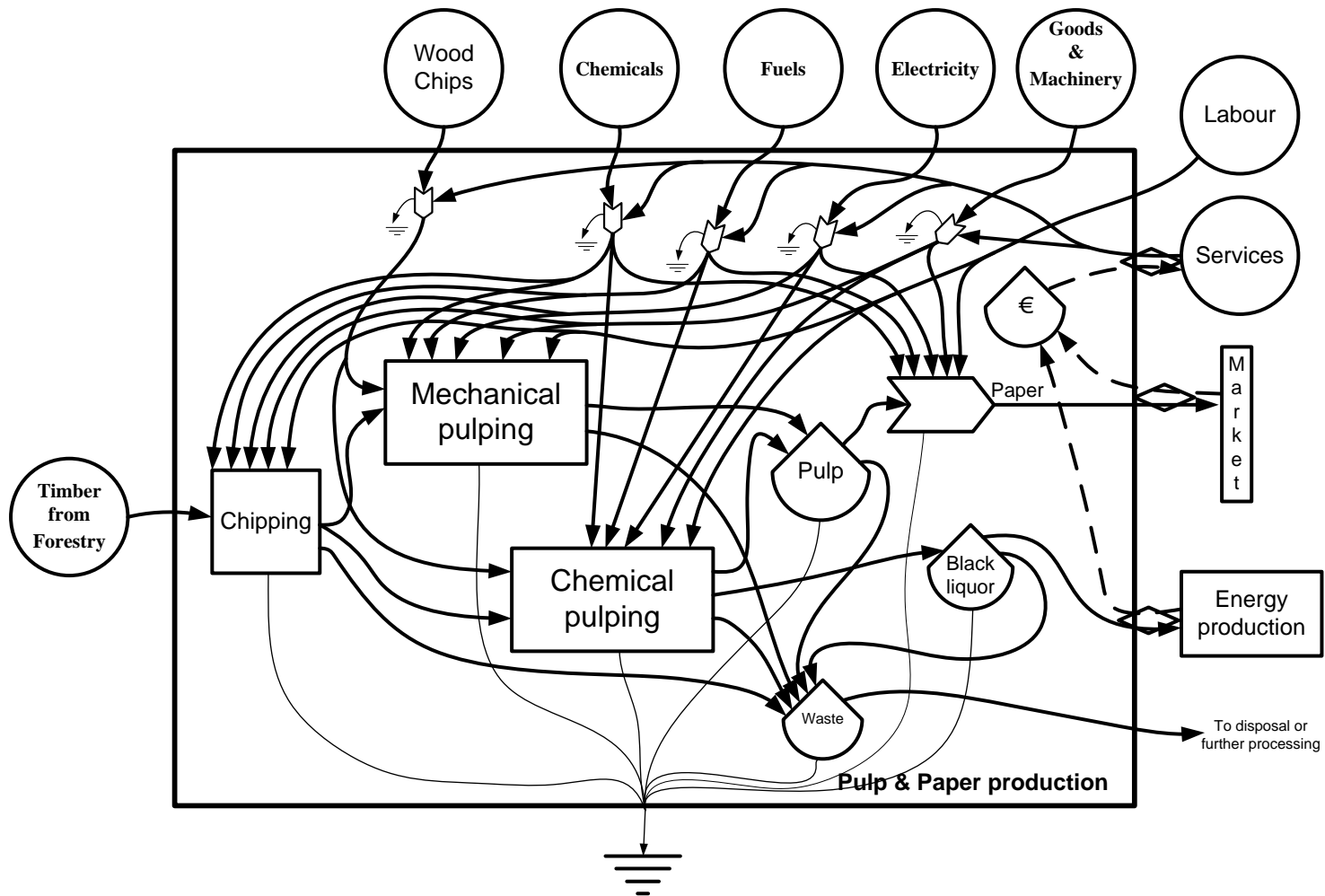
Labor (total sector). Machineries (only for soil preparation).

Number of machineries and fuels (for final cutting).

Services:

Output:

Pulp & Paper production



Pulp & Paper production

DATA NEEDED

(all kinds of data)

Environmental inputs:

Imported inputs:

Services:

Output:

DATA AVAILABLE

Environmental inputs:

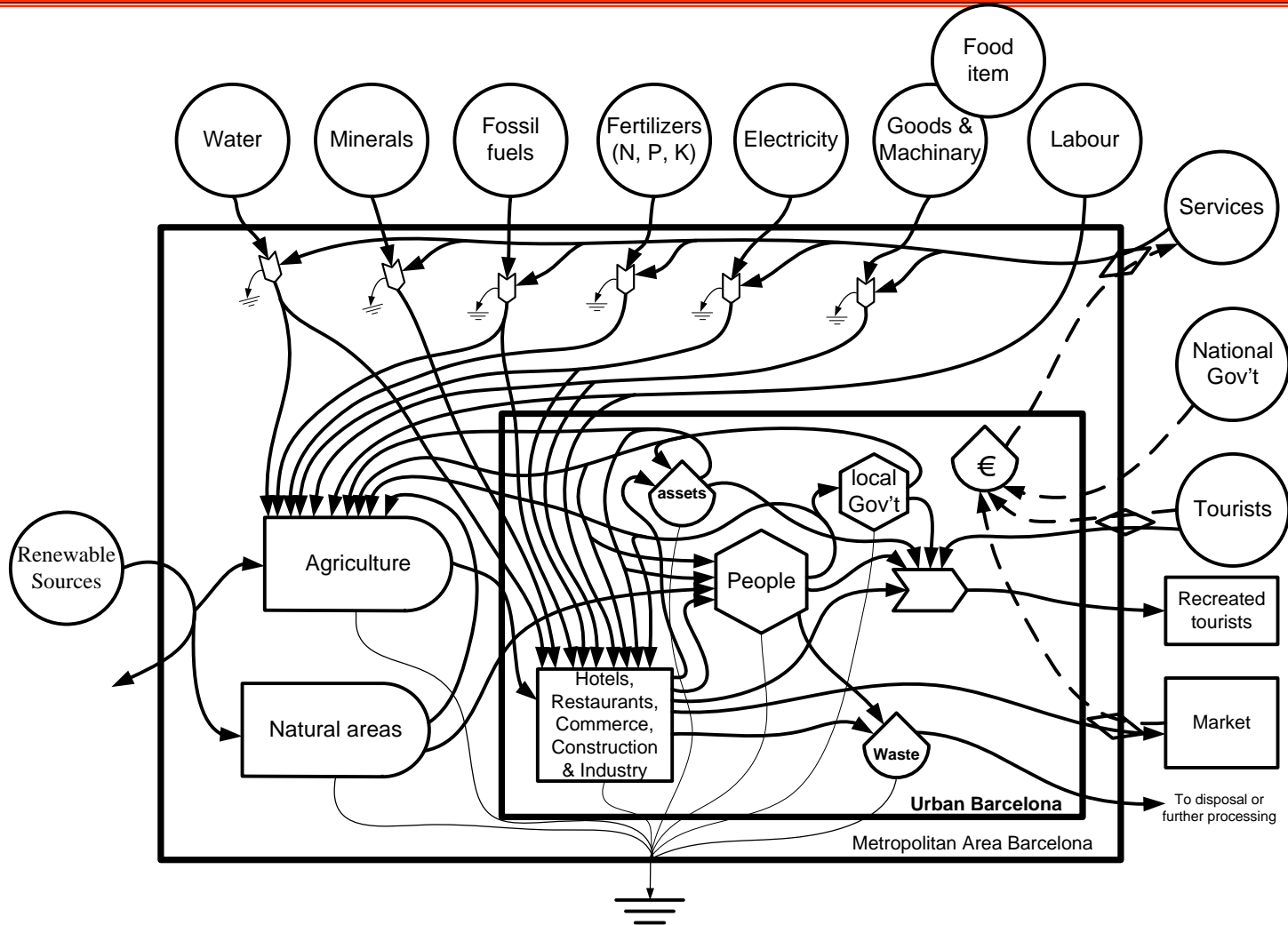
Imported inputs:

Services:

Output:

Catalunia case study

Catalunia case study



Catalunia case study

DATA NEEDED

(all kinds of data)

Environmental inputs:

Sun, Wind (Kinetic Energy of Wind Used at the Surface), Rainfall, Deep heat, topsoil.

Imported inputs:

Fuels, electricity, water (from aqueduct),
Main food items, Iron and other alloys,
Minerals, Machines and equipment,
Textiles, Plastics, Chemicals, Wood, Paper
and derivatives, Fertilizers, Pesticides,
Human labor.

Services:

Government support (salaries, health
services, schools..)

Output:

DATA AVAILABLE

Environmental inputs:

Imported inputs:

Services:

Output:

Thank you for your attention !

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