Organisation A / Organization A: 
Producer / Recycler of plastic films

- High performance recycled plastic films
- Purchase of virgin polyethylene pellets
- Production of new polyethylene film spools
- Collection and sorting of used films
- Shredding in flakes
- Washing, spinning, drying
- Extrusion and granulation of regenerated polyethylene
- Cooling and spinning
- Plastic spools rental

Organisation B / Organization B: 
Horticultural farmers

- Early vegetables
- Sandy soils (>)
- Loire river (>)
- Atlantic climate (>)
- Ancestral know-how in the production of early vegetables (>)
- Soil used plastic films (from < to >)

Flux physiques / Physical flows

Flux physiques / Physical flows

New and recycled plastic film spools

New local economic activity, contributing to the regional roadmap for the circular economy

Information / Information

Soiling rate of the delivered batch
Frequency and quantity of spools delivery

Information / Information

Quantity of used film to be collected
Availability dates for collection after removal of tunnels

Bénéfices environnementaux / Environmental benefits

New local economic activity, contributing to the regional roadmap for the circular economy

Ressources & compétences / Resources & Competences

- Combined R&D expertise
- Joint communication on the actions carried out in the area of circular economy
- Collection of used films
- Deliveries of spools
- Contract management
- Vegetable cooperative as an intermediary

Details / Inputs

Details / Outputs

- Rental of virgin or recycled plastic films
- Reduction of dependency on the price of oil
- Strengthening regional market share

Details / Inputs

Details / Outputs

- Preservation of jobs at Agriplast
- "Green" image of the company
- Possible competition with the APE initiative and companies specializing in recycling
- Consumption of polyethylene pellets reduced by 50%

Details / Inputs

Details / Outputs

- Supply (seeds, sand, coils...)
- Seeding
- Laying the tunnels
- Cultivation of the plots
- Removal of tunnels
- Vegetable harvesting
- Inspection, sorting, washing
- Packing and shipping

Bénéfices sociaux / Social benefits

- Improvement of the image of horticultural farmers thanks to the valorization of plastic waste
- Transmission of local know-how
- Lower consumption of water and chemicals thanks to plastic tunnels
- Dispersion of waste and pollution if plastic is not collected
- National vegetable delivery and beyond

Bénéfices environnementaux / Environmental benefits

- Visual pollution in case of dispersion of the plastic in nature
- National vegetable delivery and beyond

Coûts environnementaux / Environmental costs

- National vegetable delivery and beyond

Coûts sociaux / Social costs

- Visual pollution in case of dispersion of the plastic in nature
- National vegetable delivery and beyond

Details / Inputs

Details / Outputs

- Consumption of polyethylene pellets reduced by 50%
- Contribution to the depletion of oil, an input in the production of polyethylene

Details / Inputs

Details / Outputs

- Sale of early vegetables
- Rental of virgin or recycled film (cheaper than buying)

Revenue économiques / Revenue (income)

- Rental of virgin or recycled plastic films
- Reduction of dependency on the price of oil
- Strengthening regional market share

Revenue économiques / Revenue (income)

- Supply of early vegetables
- Rental of virgin or recycled film (cheaper than buying)

Coûts économiques / Cost structure

- Consumption of polyethylene pellets reduced by 50%
- Contribution to the depletion of oil, an input in the production of polyethylene

Coûts économiques / Cost structure

- Preservation of jobs at Agriplast
- "Green" image of the company
- Possible competition with the APE initiative and companies specializing in recycling

Bénéfices environnementaux / Environmental benefits

- National vegetable delivery and beyond

Bénéfices sociaux / Social benefits

- Improvement of the image of horticultural farmers thanks to the valorization of plastic waste
- Transmission of local know-how
- Lower consumption of water and chemicals thanks to plastic tunnels
- Dispersion of waste and pollution if plastic is not collected
- National vegetable delivery and beyond

Coûts sociaux / Social costs

- Visual pollution in case of dispersion of the plastic in nature
- National vegetable delivery and beyond

Ressources & compétences / Resources & Competences

- Combined expertise in R&D
- Joint communication on the actions carried out in the area of circular economy
- Collection of used films
- Delivery of spools
- Contract management
- Vegetable cooperative as an intermediary

Details / Inputs

Details / Outputs

- Purchase of virgin polyethylene pellets
- Collection and sorting of used films
- Shredding in flakes
- Washing, spinning, drying
- Extrusion and granulation of regenerated polyethylene

Details / Inputs

Details / Outputs

- Purchase of virgin polyethylene granules
- Collection of used films

Details / Inputs

Details / Outputs

- Sandy soils (>)
- Loire river (>)
- Atlantic climate (>)
- Ancestral know-how in the production of early vegetables (>)
- Soil used plastic films (from < to >)