REAP

Resource Efficiency in Agri-food Production and Processing

Sustainable Consumption & Production and me!

Mini case studies for understanding SCP

Project funded by

switchasia GRANTS PROGRAMME

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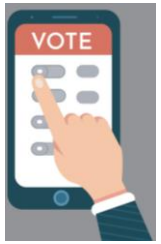
How sustainable? You reflect and respond!

In the following case studies, a situation is described followed by description of a change in the situation.

Your task:

1. To evaluate on your own: Was the change a good one from SCP point of view? Can you think of a different action that is more sustainable?



2. Using your phones or laptops, please participate in the poll

After each case study and poll, we will have a short discussion. Then we will move on to the next case study

Case Study 1

- In the production unit of a dairy company, after a production batch the residual yoghurt used to be rinsed out with clear water. This water after cleaning was sent to a waste water treatment plant.

- The following change is implemented. After the production batch, the containers are now cleaned with a scraper and the material obtained is used as animal food in a pig farm.

Your response to Case Study 1

1. From SCP point of view, was this a good change?

☐YES ☐NO

2. Do you have a better idea or suggestion?

☐YES ☐NO

3. Would you be willing to share your idea or suggestion now?

☐YES ☐NO

Case Study 2

- In the packaging department of a mechanical engineering company, product information labels are glued onto the plastic packaging of small parts to be mailed. The carrier paper of the labels used to be disposed off on a dump together with the non-recyclable industrial waste.

- As there is no opportunity of returning the paper to the producer, wet shredding is introduced for composting of the carrier paper, hoping to avoid sending it to the dump.

Your response to Case Study 2

1. From SCP point of view, was this a good change?

☐YES ☐NO

2. Do you have a better idea or suggestion?

☐YES ☐NO

3. Would you be willing to share you idea or suggestion now?

☐YES ☐NO

Case Study 3

- In a factory, 20 welding machines of 25 kW each are installed which are powered ON 24 hours while operating hours in the factory are only 12 hours per day. The standby power consumption per welding machine is around 1 kW.

- A common mains switch has been installed for all welding machines, allowing all of these welding machines to be turned off simultaneously during night.

Your response to Case Study 3

1. From SCP point of view, was this a good change?

☐YES ☐NO

2. Do you have a better idea or suggestion?

☐YES ☐NO

3. Would you be willing to share you idea or suggestion now?

☐YES ☐NO

Case Study 4

- A company has requirement of 1,000 cfm compressed air according to installed capacity of production equipment. It operates a reciprocating compressor which draws 100 kW power for generating 1,500 cfm.

- The company replaces the reciprocating compressor with a new, efficient screw compressor that produces 1,500 cfm compressed air while drawing only 75 kW power.

Your response to Case Study 4

1. From SCP point of view, was this a good change?

☐YES ☐NO

2. Do you have a better idea or suggestion?

☐YES ☐NO

3. Would you be willing to share you idea or suggestion now?

☐YES ☐NO

Case Study 5

- Even in coastal cities such as Barcelona, consumers have very limited knowledge of marine resources. Consumers tend to purchase globally known species of fish – often those that are imported.

- A company now promotes the consumption of forgotten species and reintroduces them to consumers in Spain. Fish is distributed directly to consumers only 12 hours after its arrival to harbour. This initiative enhances local fishery by offering fresh and local fish.

Your response to Case Study 5

1. From SCP point of view, was this a good change?

☐YES ☐NO

2. Do you have a better idea or suggestion?

☐YES ☐NO

3. Would you be willing to share you idea or suggestion now?

☐YES ☐NO

Thank You

For more details contact

Name: Rajat Batra
Prahlad Tewari

Email: rajat@reap-centralasia.org, prahlad@reap-centralasia.org

Phone: +91 9811051918

Website: www.reap-centralasia.org

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