<table>
<thead>
<tr>
<th>Title of case study</th>
<th>Adapting to Climate Changes for Potato Production in The Andes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of organization(s)</td>
<td>PepsiCo South America, Caribbean and Central America Foods</td>
</tr>
<tr>
<td>Business sector</td>
<td>Food &amp; Beverages</td>
</tr>
</tbody>
</table>
| Region(s) relevant to case study | All regions  
|                             | Africa and the Arab States  
|                             | Asia and the Pacific  
|                             | Caribbean and Central America  
|                             | Europe  
|                             | Least Developed Countries  
|                             | North America  
|                             | Polar regions  
|                             | Small Island Developing States  
|                             | South America |
| Country(s) relevant to case study | South America, Caribbean and Central America countries |
| Adaptation sector(s) relevant to case study | Business  
|                             | Education and training  
|                             | Food security, agriculture, forestry and fisheries  
|                             | Human health  
|                             | Oceans and coastal areas  
|                             | Science, assessment, monitoring and early warning  
|                             | Terrestrial ecosystems  
|                             | Tourism  
|                             | Transport, infrastructure and human settlements  
|                             | Water resources  
|                             | Other (please specify): |
| Adaptation activity         | PepsiCo South America, Caribbean and Central America Foods have been developing a series of projects which aim at making a more sustainable agriculture feasible in the countries where it is inserted. The agricultural suppliers received all technical support for a more conscious use of natural resources, the development of better working conditions and an improved productivity. IPCC projections (IPCC Fourth Assessment Report 2007 www.ipcc-wg2.org) pinpoint an increase in temperature in the Andes almost twice as high as the global average, which reflects in climate alterations and in the local agricultural production, having a direct impact on the potato producers in this region. Among the main projects |
of PepsiCo are:
Raising awareness among producers to the impacts of climatic changes, stimulating agricultural practices which aim at reducing the emission of Greenhouse Gases (GHG), and the optimization in the use of water by improving its availability. Also, investing in projects to promote the maintenance of the biodiversity of potato species and the discovery of new species, more adaptable to the effects of the climate changes. These objectives have motivated PepsiCo to create, in Peru, the PepsiCo’s Agricultural Development Center.

Cost-benefit

The investment in the PepsiCo’s Agricultural Development Center project is estimated in more than US$ 3 million since Peru is the only place in the world where PepsiCo does not make use of traditional white potato, but also of other varieties of native potato. The expected benefits are:
- Raising awareness among producers of their actions and the impact in climatic changes;
- Decreasing the emission of GHG during the production of PepsiCo’s snacks;
- Maintaining the biodiversity of potatoes;
- Improving the availability and quality of water in these regions; and
- Increasing productivity

PepsiCo’s Agricultural Development Center

Native Potatoes

Source: PepsiCo South America, Caribbean and Central America Foods