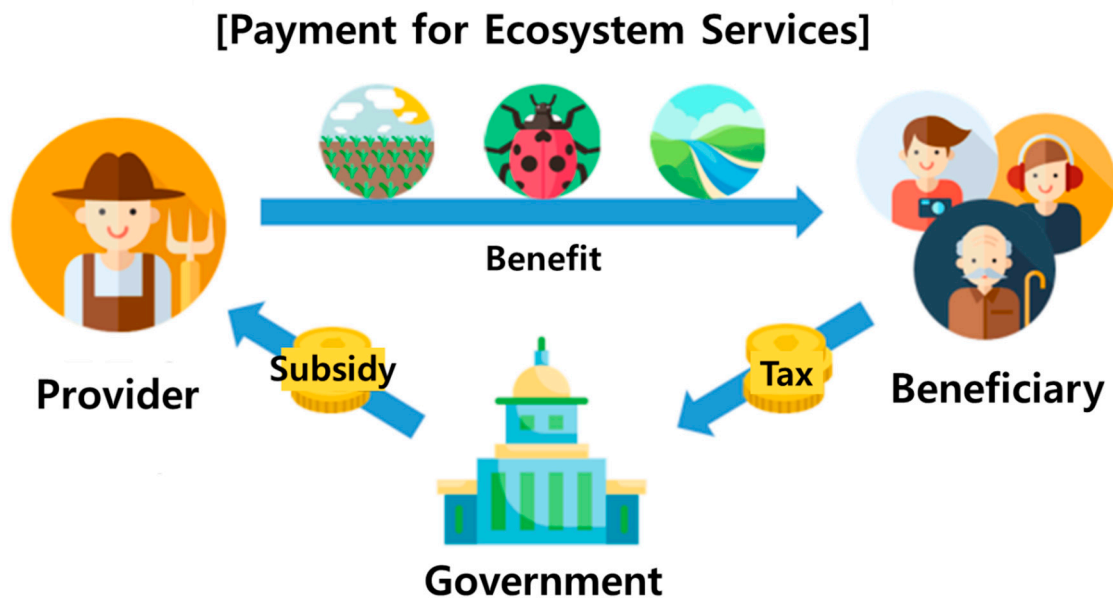


## 1. Questionnaire for the beneficiaries

※ The Korean Government plans to implement the payment for ecosystem services (PES) to manage private lands (rice paddies) in an eco-friendly manner within the Dongcheon Estuary Wetlands Protected Area in Suncheon.











Implementing this policy will benefit residents and visitors as the Dongcheon Estuary Wetlands could be better managed. However, to support this, the beneficiaries will need to pay taxes to the extent of the benefits to the government. The government provides subsidies to the providers (i.e., farmers), who participate in eco-friendly farming practices. Through this policy, the providers can be compensated for the potential financial losses caused by participation in environmentally friendly farming practices, and the beneficiaries can continually enjoy the benefits from the conservation of the environment, such as clean water and well-protected scenery.

The following attributes can affect ecosystem service payment schemes. Please read carefully each description and the level (range) at which it can change. (※ Four attributes (QUAL, ALIEN, DIV, and ADV) refer to the activities of the providers, and additional income tax is the amount the respondents need to pay.)

Attributes	Descriptions	Levels
QUAL	The use of fertilizer to improve water quality by reducing fertilizer to decrease nitrogen (pollutant) emissions	<ul style="list-style-type: none"> <li>• use of 33% fertilizer</li> <li>• use of 66% fertilizer</li> <li>• use of 100% fertilizer *</li> </ul>
ALIEN	Farmers' removal of alien species to help reduce their negative impacts on ecosystems.	<ul style="list-style-type: none"> <li>• participation</li> <li>• non-participation *</li> </ul>
DIV	Farmers' installation of natural drainage or trap water in irrigation channels and drain systems in paddy fields in winter for biodiversity conservation.	<ul style="list-style-type: none"> <li>• participation</li> <li>• non-participation *</li> </ul>
ADV	Educating farmers on PES and implementing farming practices	<ul style="list-style-type: none"> <li>• with education</li> <li>• lacking education *</li> </ul>
Additional income tax	Additional income tax per household per year for benefits from provider's PES contract activities	(0*), <ul style="list-style-type: none"> <li>• KRW 1,000(USD 0.9)</li> <li>• KRW 3,000(USD 2.6)</li> <li>• KRW 5,000(USD 4.3)</li> <li>• KRW 7,000(USD 6.0)</li> <li>• KRW 10,000(USD 8.6)</li> </ul>

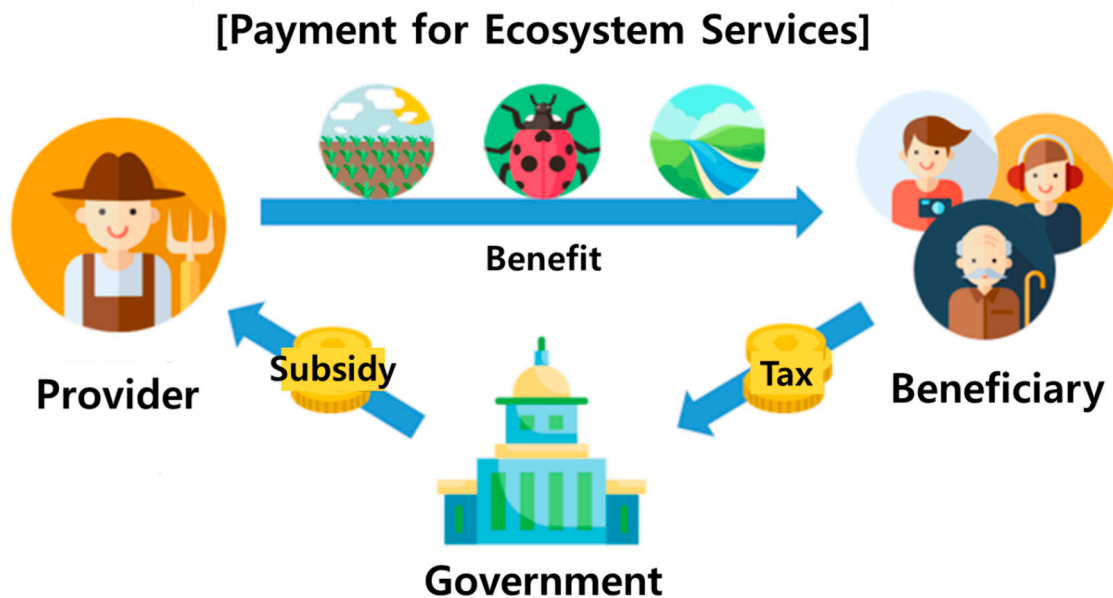
\* Current status

**Example.** Given only the three alternatives below for providers to participate in PES, which would you prefer? (Assuming that a change in one attribute does not affect the others).

Attributes	Alternative 1	Alternative 2	Alternative 3
Water quality improvement	 use of 100% fertilizer (emissions of 100% of pollutants)	 use of 33% fertilizer (emissions of 50% of pollutants)	I would not choose either option
Removal of alien species	 non-participation	 participation	
Biodiversity conservation activities	 Participation	 non-participation	
Technical advice	 lacking education	 with education	
Additional income tax	KRW 3,000	KRW 1,000	
Choice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 2. Questionnaire for the providers (i.e., farmers)

※ The Korean Government plans to implement the payment for ecosystem services (PES) to manage private lands (rice paddies) in an eco-friendly manner within the Dongcheon Estuary Wetlands Protected Area in Suncheon.











Implementing this policy will benefit residents and visitors as the Dongcheon Estuary Wetlands could be better managed. However, to support this, the beneficiaries will need to pay taxes to the extent of the benefits to the government. The government provides subsidies to the providers (i.e., farmers), who participate in eco-friendly farming practices. Through this policy, the providers can be compensated for the potential financial losses caused by participation in environmentally friendly farming practices, and the beneficiaries can continually enjoy the benefits from the conservation of the environment, such as clean water and well-protected scenery.

The following attributes can affect ecosystem service payment schemes. Please read carefully each description and the level (range) at which it can change.

Attributes	Descriptions	Levels
<b>QUAL</b>	The use of fertilizer to improve water quality by reducing fertilizer to decrease nitrogen (pollutant) emissions	<ul style="list-style-type: none"> <li>• use of 33% fertilizer</li> <li>• use of 66% fertilizer</li> <li>• use of 100% fertilizer *</li> </ul>
<b>ALIEN</b>	Farmers' removal of alien species to help reduce their negative impacts on ecosystems.	<ul style="list-style-type: none"> <li>• participation</li> <li>• non-participation *</li> </ul>
<b>DIV</b>	Farmers' installation of natural drainage or trap water in irrigation channels and drain systems in paddy fields in winter for biodiversity conservation.	<ul style="list-style-type: none"> <li>• participation</li> <li>• non-participation *</li> </ul>
<b>ADV</b>	Educating farmers on PES and implementing farming practices	<ul style="list-style-type: none"> <li>• with education</li> <li>• lacking education *</li> </ul>
<b>Subsidy</b>	Annual subsidy received on the condition that the farmers carry out PES contracts	<ul style="list-style-type: none"> <li>(0*),</li> <li>• KRW 1 million (USD 858.1),</li> <li>• KRW 2 million (USD 1,716.2),</li> <li>• KRW 3 million (USD 2,574.3),</li> <li>• KRW 5 million (USD 4,290.5),</li> <li>• KRW 7 million (USD 6,006.5)</li> </ul>

\* Current status

**Example.** Given only the three alternatives below for the providers (i.e., farmers) to participate in PES, which would you prefer? (Assuming that a change in one attribute does not affect the others).

Attributes	Alternative 1	Alternative 2	Alternative 3
Water quality improvement	 use of 100% fertilizer (emissions of 100% of pollutants)	 use of 33% fertilizer (emissions of 50% of pollutants)	I would not choose either option
Removal of alien species	 non-participation	 participation	
Biodiversity conservation activities	 Participation	 non-participation	
Technical advice	 lacking education	 with education	
Subsidy	KRW 3 million	KRW 1 million	
Choice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>