FINANCING RANGELAND INVESTMENTS THROUGH PES

Figure 2 provides a visual picture of how different Payments for Ecosystem Services (PES) can connect different categories of investments (local, national, and international) and how PES could be organized to support the necessary investments in SRM. An important aspect of this is that many of the investments that have to be made to assure the return on such investments will have to be organized at the local level. There are many innovative ways of organizing such local investments and ensuring that the value of the investments is shared with those who benefit from it. This is an important aspect of PES that is often neglected in the design of PES programs.

The economic rationale to invest in SRM and to develop such financial flows through Payments for Ecosystems is simply to make sure that investments in SRM can have returns that will allow local communities to be able to make the necessary investments. A PES proposal for investing in SRM in Jordan

ENABLING GOVERNMENT FRAMEWORKS

Investments in the institutional and regulatory frameworks of the country are necessary to enhance Sustainable Range Management (SRM) to large scales from the actual selected rangeland areas that are essential to “unlock” investments by both private sector and civil society to engage in value chain development. Amongst others this relates to alleviating barriers to local on-site investments cannot be carried alone by local communities. That would be greatly unfair. Modalities have to be complemented at more local levels (Governorate level) and detailed vegetation dynam-...
Improved rangeland management leads to multiple ecosystem services, increased biodiversity, and soil carbon sequestration to enhance natural water-holding capacity and contribute to GDP, this is probably not the case for interventions in the framework of the “Sustainable Dryland Landscapes: Closing the Knowledge-Policy Implementation Gap” Project. Such specific areas could be targeted as Rangeland Ecological Zones (REGIZ). In this case, it has been estimated that about the same level of ground truthing would be necessary to ensure impact and sustainability of the planned investments. This is based on the fact that the main goal of the framework is to support the implementation of a sustainable range management (SRM) plan. The economic value of the ecosystem services considered is calculated to be around $7.6 Million. This value is estimated for the Jordanian rangelands and can be considered as a starting point for the calculation of the potential economic value of the ecosystem services provided by the Jordanian rangelands (Kamel, 2015). To this the additional economic value of the potential economic value of the ecosystem services provided by the Jordanian rangelands (Kamel, 2015).

Figure 2. Investment Financial Flows for SRM

Local Range Governance Tables identify also the local actions that will most probably be invested in the local support actions as well as the whole range of investment and operational activities that need to be involved for technical, economic, institutional, and legal support services, as well as the implementation of the planned investments. These Local Range Governance Tables identify also the local actions that will most probably be invested in the local support actions as well as the implementation of the planned investments.}

**Rangeland Investment Proposals**

In identifying investment proposals in the rangelands of Jordan, three level investment proposals are considered: infrastructure and investment in local governance and management systems, and investment in local livelihoods and natural resource management. From these consultations, it was proposed to prepare a comprehensive investment proposal in rangeland management in Jordan, substantial investments should be made in the following:

- **“Irrigation” Integrated Grazing Management**
- **Soc. Carbon and Water Conservation and Improvement**
- **Improved Ecosystem Livestock Production**
- **Biodeviation, Medical and Agricultural Range Plant**
- **Renewable Energy Sustainable Use**

The economic value of the ecosystem services provided by the Jordanian rangelands (Kamel, 2015) is estimated at around $7.6 Million. This value is considered as a starting point for the calculation of the potential economic value of the ecosystem services provided by the Jordanian rangelands.