

Green Roads for Water in Nepal



Name and title of presenter: Saroj Yakami (MetaMeta Nepal)

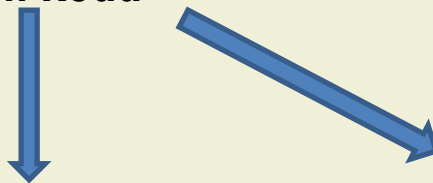
Date: 2020/04/15



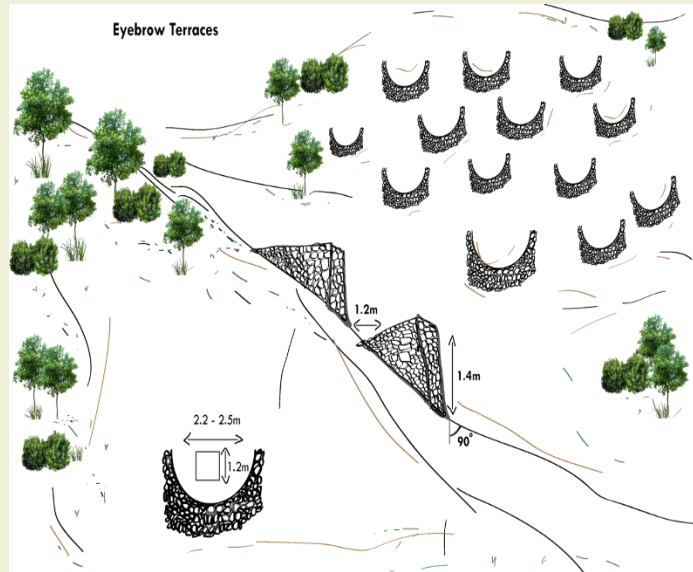
Opportunities for GR4W in Nepal

HILL AND MOUNTAIN AREA

- Roadside Spring and seep management
- Water Harvesting from Road

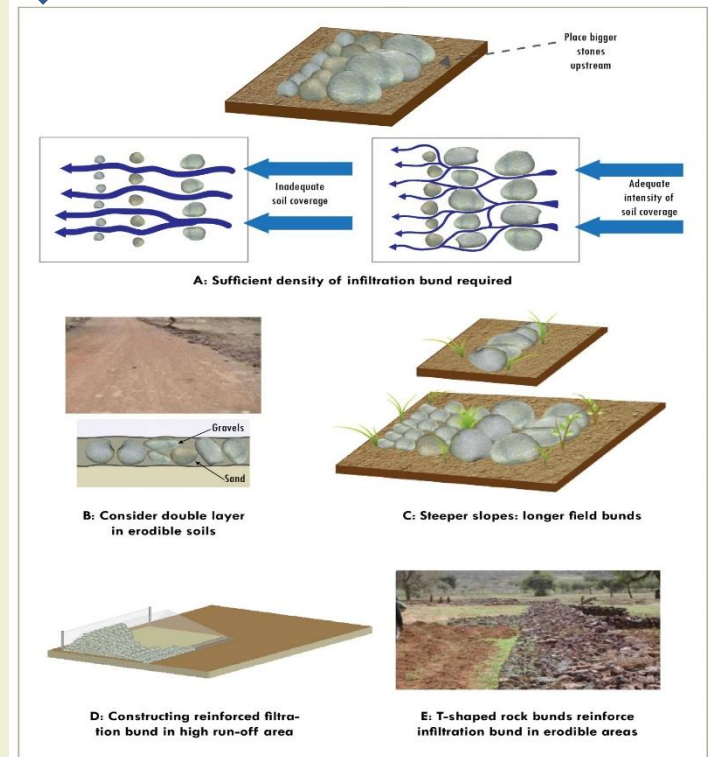
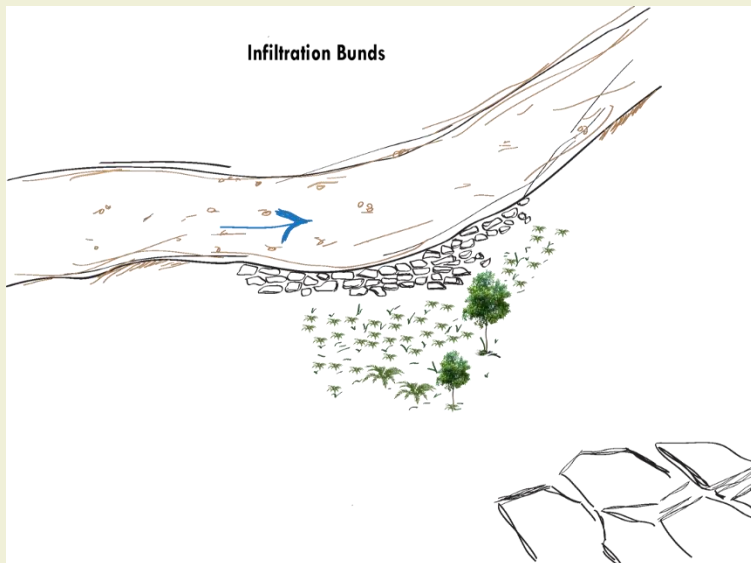


Opportunities for GR4W in Nepal



HILL AND MOUNTAIN AREA

- Slope Protection and water retention using spoil
- Trap road sediment for farmland



Opportunities for GR4W in Nepal

TERAI

- **Flood Management**



Opportunities for GR4W in Nepal

TERAI

- **Groundwater Management**
- **Irrigation Water management**



Experience of GR4W from Nepal

- i. Relevancy and Appropriateness of GR4W: Water is termed a big enemy for road infra. In the scenario where Road infra is bearing a huge damages by water, GR4W concept has been taken a big opportunity**
- ii. Need of GR4W: Where water distribution is not uniform and introduction of roads further deteriorate the situation by changing water flow pattern, there is an opportunity to overturn the scenario by GR4W**
- iii. Cut and fill method of road construction in hill and mountain: This mass balancing method operated through Labour based road construction approach help to minimize the damage of roads**



Farmers have tapped into increased water flow due to road construction. Making use of road infrastructure.

Experience of GR4W from Nepal



Ongoing activities on GR4W in Nepal

- **With Department of Local Infrastructure (DoLI):**
 - i. **Tailor made Training programme supported by NUFFIC;**
 - ii. **developing proposal for preparing guidelines for spring management developed during road construction.**
- **World Bank: Kamala-Dhalkebar-Pathalaiya (KDP) road (feasibility study for road improvement work)**
- **DoR: 'Postal road' section at Bara District (19 km road stretch)**
- **ADB: Training**
- **Godawari Municipality: Assessment of 5 km road stretch in municipality**
- **WWF**