

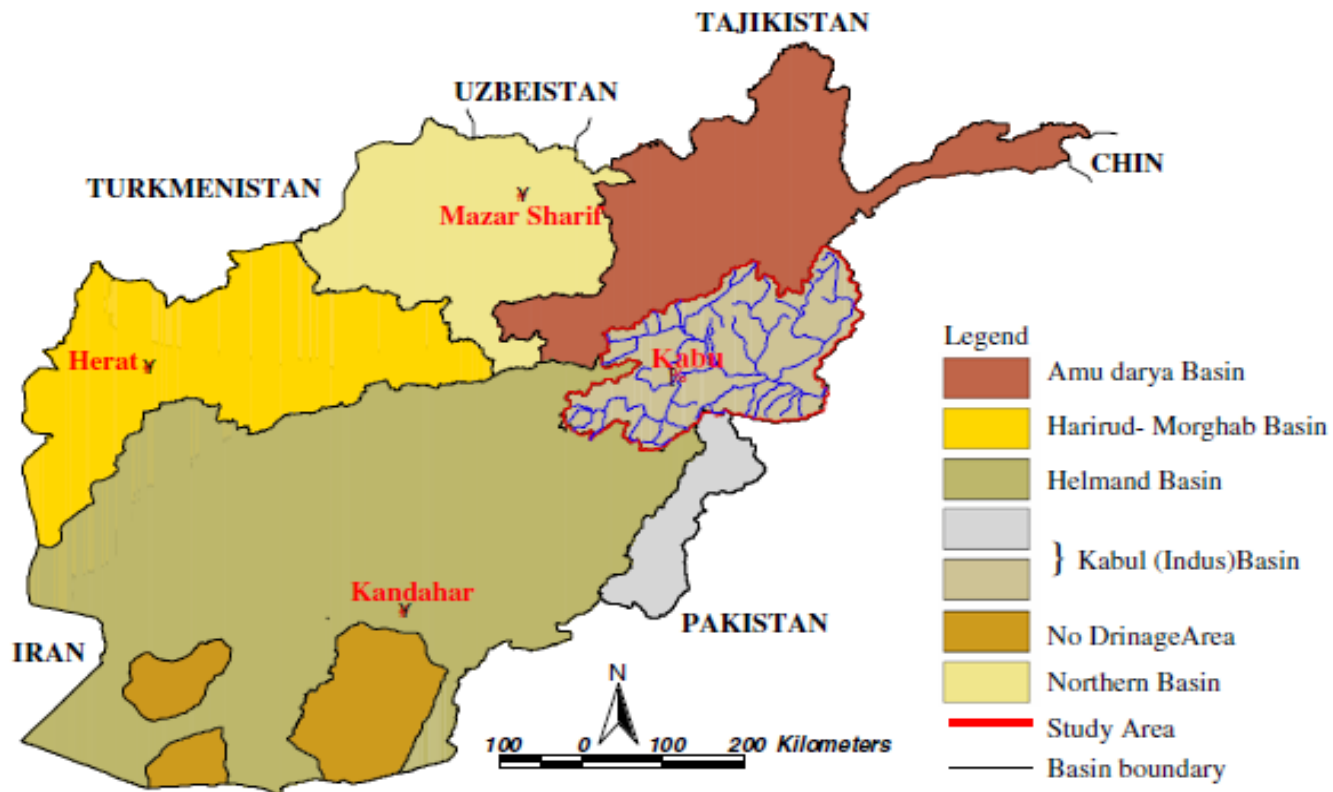
3rd IBKF – Afghanistan

June 2018
Sediqa Hassani



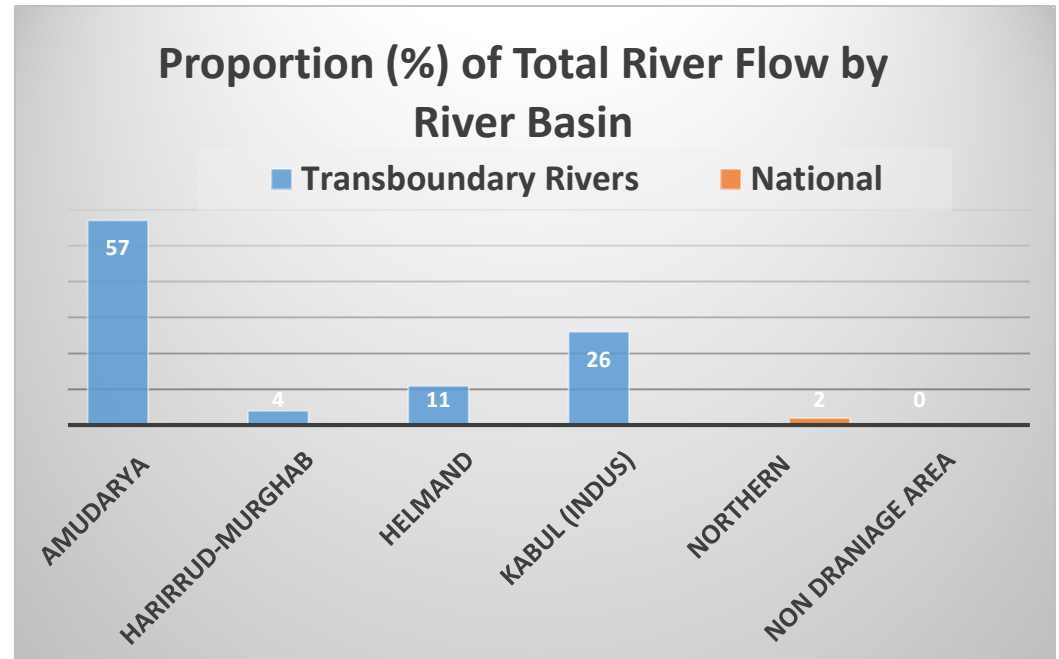
Afghanistan River Basins

- Afghanistan Has five river basin,
- There is no water treaty between Afghanistan and its neighbors except Iran over Helmand



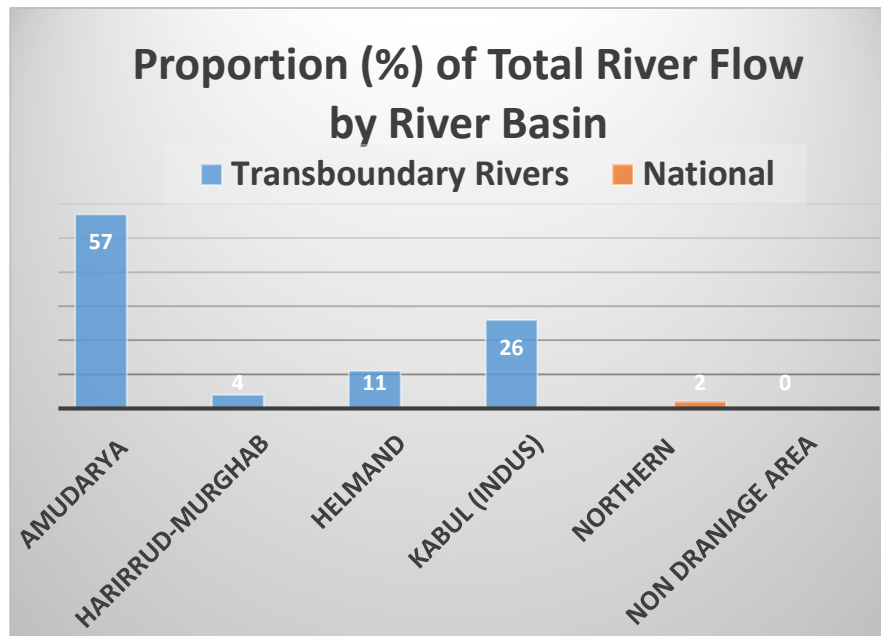
Afghanistan Statistic

- Amu Darya the largest in terms of area and water recourse, Kabul is the send largest and the most populous one
- Afghanistan Population: 36.3 Million
- Settled population in KRB: 12 million, 30.25%



Proportion (%) of Total River Flow by River Basin (Watershed Atlas, 2007)

Afghanistan Water Statistic



Proportion (%) of Total River Flow by River Basin (Watershed Atlas, 2007)

Based on data of 1948-1980

- Amu dray:21.5 MCM, Kabul RB:19.3 MCM, Helmand:10.4 MCM: the rest, 5.5 MCM

Recent data shows decrease on resources for

- Mau Darya: 13.8%, Kabul 11.2%, Helmand 19%

- **80% of population need water for agriculture**
- **Half of Afghanistan GDP comes from agriculture**
- **Growing agriculture is 0.2% per year**
- **Only 30% Afghanistan's water used in country**
- **Only 30 percent has access to electricity**
- **Climate change decreased availability of water**
- **Population increasing by rate of 2.6**
- **Afghanistan a Later-Developing State**

Ground water degradation in Kabul city

- Kabul city groundwater annual recharge 29.6 MCM but withdrawal 32.3 MCM/Year, by 2030 there will be no groundwater for Kabul city
- Water Level drawdown from 2005 to 2017 1m-22m
- Negative impact of global warming on glaciers and snow melting
- Water quality degradation due to urbanization/land use changes and over exploitation of these resources

Opportunities

- **Political will, and openness from the Afghan government**
- **Existence of International Community & Donors**
- **Less impact of Afghan development in Upper Kabul Basin on its neighbor**
- **Informal Researches and Joint Studies**
- **Kunar Cascade Project**

Conclusions and next steps

- **Corporation/coordination and taking basin integrated approach and inclusion**
- **Strategically Engage Donors**
- **Water as Source of Cooperation**
- **Joint Studies & Researches, technical studies**
- **Take into account social and civil societies role to tackle policy barriers**



Thank you