

# NEPAL TEAM

Chairperson:- U.K. Jha

Reporter:- B.R. Adhikari

Team members:

N.M Joshi

A.L. Shrestha

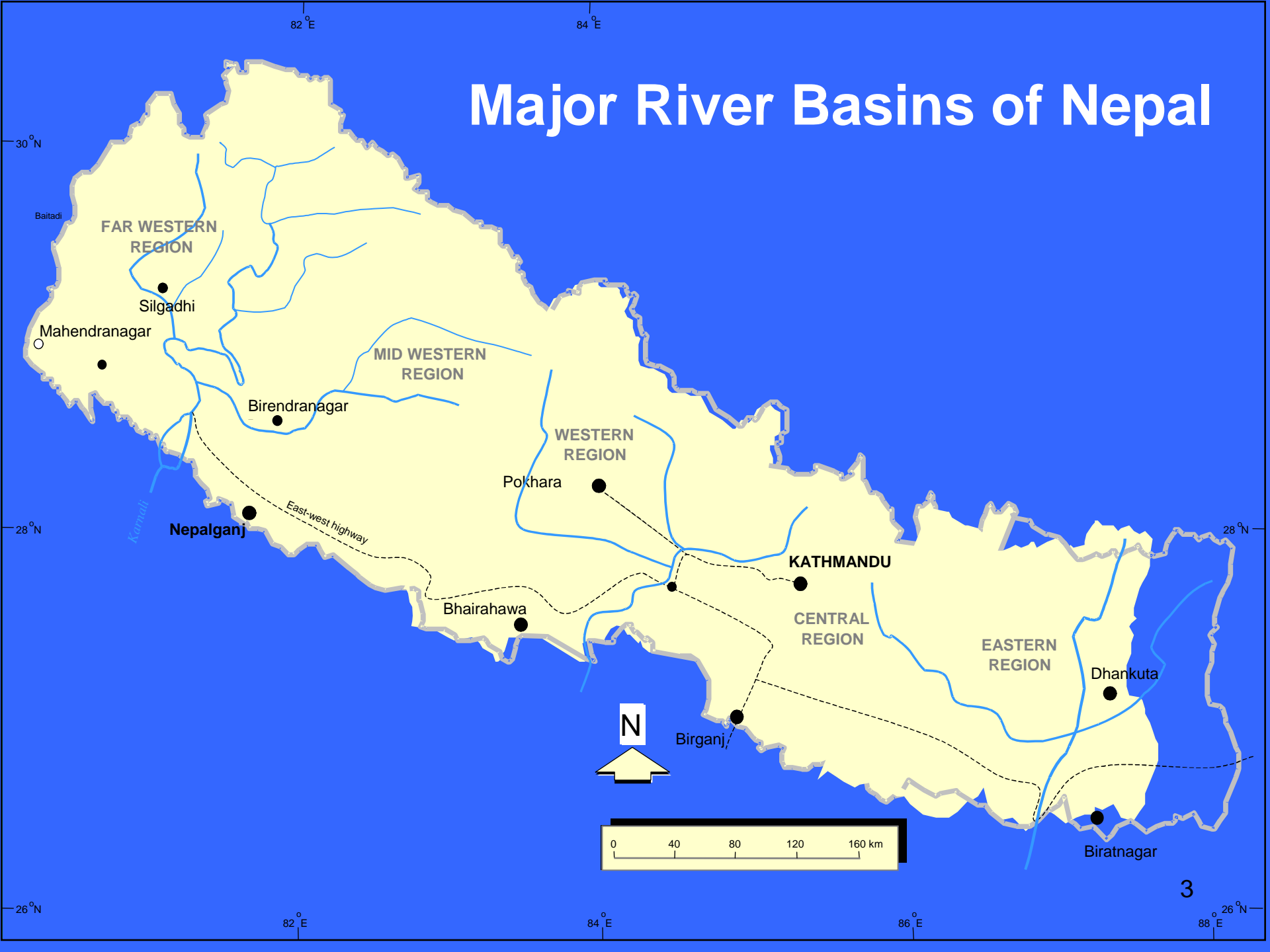
D.P. Dhakal

N.S. Pradhan

# Background

- Total land area : 147,000 km<sup>2</sup>
- No of rivers : > 6000
- Per capita water availability: > 9000 m<sup>3</sup>/annum
- Total surface water potential: 225 BCM
- Total ground water potential: 6-11.5 BCM

# Major River Basins of Nepal



# Background (cont..)

- Major River Basins
  - Koshi
  - Gandaki
  - Karnali/Mahakali
- Two types of river basins
  - Surplus river basins
  - Deficit river basins
- Major Water user- Irrigation
- Priority- Drinking water, Irrigation, Hydro power, Others

# Issues

- National Issues
  - No Policy/Regulation for RBM
  - No umbrella organization for water allocation and distribution within the RB
  - Deforestation- depletion of water availability
  - Migration/Encroachment of marginal/forest lands
  - Contamination of water
  - Less concerns of environmental issues in water resources planning and design
  - Less consultation with local water users

# Issues (Cont..)

- Trans-boundary issues
  - Impact due to activities of immediate d/s of border

# Constraints

- Limited database of present water uses
- Guided by bilateral agreements
- Less coordination among various water service providers
- Isolated project development approach
- Increasing demand due to population growth and urbanization
- Political intervention in water resources project development
- Inadequate financial resources

# Objectives

- To prepare comprehensive policy documents for RBM
  - Land use
  - Protection of water sources/watershed management
  - Address environmental issues
- To analyze the demand and supply of water resources for RBM
- To ensure participation of water users and water service providers



**THANK YOU !**