

## **Main issues discussed:**

- 1) In most of the rivers, the decrease of sediment load is higher than the decrease of the water discharge;
- 2) It is very difficult to estimate the bedload/ sediment. The grain size is more important;
- 3) Dams affect not only the amount of discharges, but also the timing of discharges;
- 4) Given the decrease of sediment inputs to estuaries, are estuaries shifting from retention basins to bypassing systems?
- 5) There are no rules for retention in estuaries. Each system is operating differently;
- 6) The amount of sediment retained in estuaries are in general lower than in pre human impact conditions, except in arctic basins.
- 7) In small and medium size rivers, most of the sediment load is delivered during episodic events.