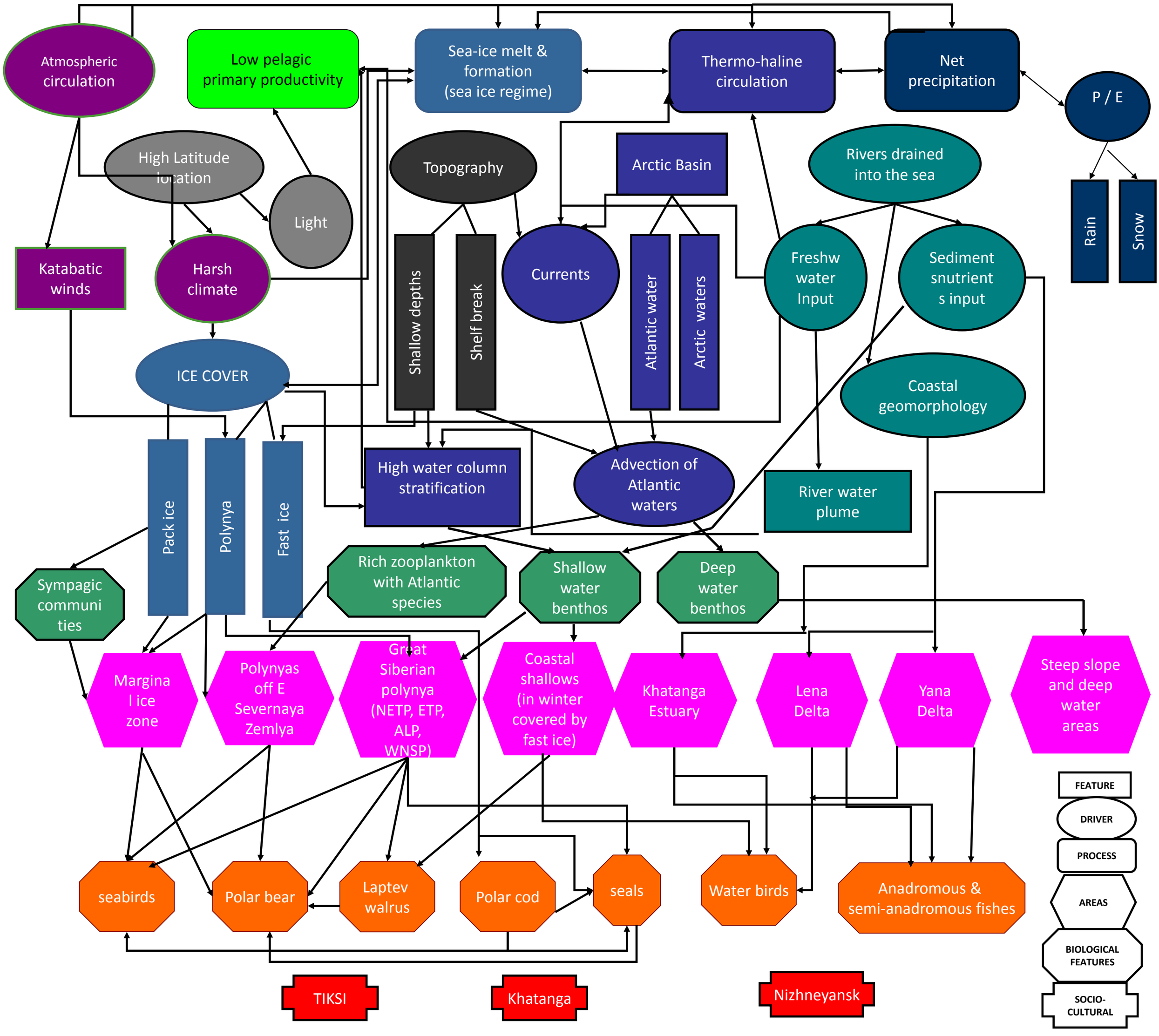
Atmospheric circulation
Low pelagic primary productivity
Sea-ice melt & formation (sea ice regime)
Thermo-haline circulation
Net precipitation
P / E
Rain
Snow
High Latitude location
Light
Topography
Arctic Basin
Rivers drained into the sea
Katabatic winds
Harsh climate
Shallow depths
Shelf break
Currents
Atlantic water
Arctic waters
Freshw water Input
Sediment snutrient s input
ICE COVER
Coastal geomorphology
Pack ice
Polynya
Fast ice
High water column stratification
Advection of Atlantic waters
River water plume
Sympagic communi ties
Rich zooplankton with Atlantic species
Shallow water benthos
Deep water benthos
Margina l ice zone
Polynyas off E Severnaya Zemlya
Great Siberian polynya (NETP, ETP, ALP, WNSP)
Coastal shallows (in winter covered by fast ice)
Khatanga Estuary
Lena Delta
Yana Delta
Steep slope and deep water areas
seabirds
Polar bear
Laptev walrus
Polar cod
seals
Water birds
Anadromous & semi-anadromous fishes
TIKSI
Khatanga
Nizhneyansk
FEATURE
DRIVER
PROCESS
AREAS
BIOLOGICAL FEATURES
SOCIO-CULTURAL