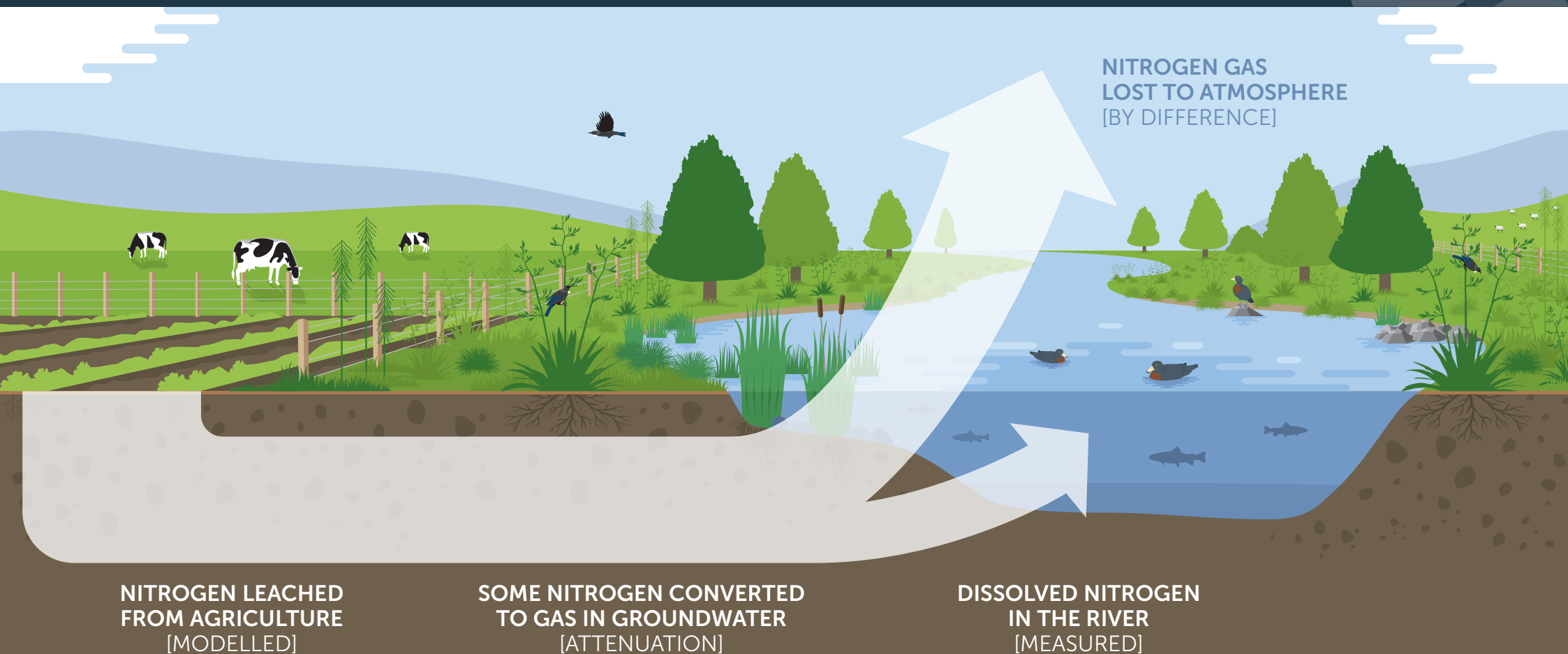


HOW CAN MODELLLED N LEACHING INCREASE UNDER AGRICULTURAL LAND AND NOT IN THE RIVER?



Some nitrogen lost under agricultural land gets to the river dissolved in groundwater, however the rest gets converted to gas before it gets to the river.

Horizons knows how much nitrogen gets into the river because we measure it.

If the OVERSEER model predicts more nitrogen is lost under agricultural land and measurements show the loss to the river is the same, it means that the amount converted to gas must be more than originally estimated.