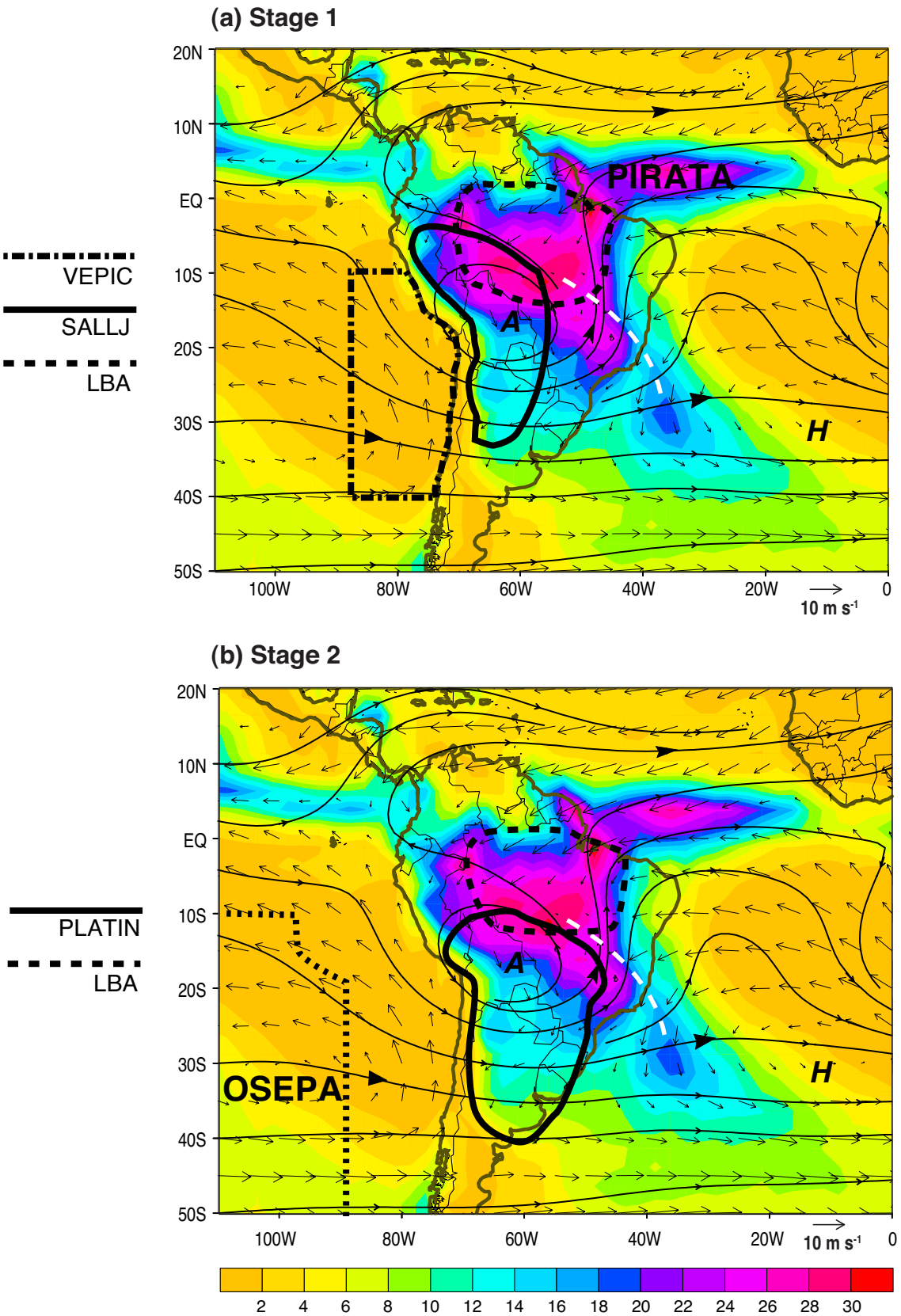

Figure 39. Implementation plan for **MESA** (Monsoon Experiment South America) will have two stages conducted in sequence: (a) Stage 1, a field study leading to better description and understanding of the role of the South American low-level jet (**SALLJ**) in climate variability and **VAMOS EPIC (VEPIC)** studies of ocean-atmosphere-land interactions in the region of the southeastern Pacific Ocean and western South America, and (b) Stage 2, a study of the hydroclimatology of the La Plata River basin. **LBA** (Large-scale Biosphere-Atmosphere in Amazonia) is a GEWEX program focusing on the water and energy budgets of the Amazon River basin. **PIRATA** (Pilot Research Moored Array in the Atlantic) and **OSEPA** (proposed Ocean Southeast Pacific Array) are moored buoy arrays designed for enhanced ocean-atmosphere climate monitoring.