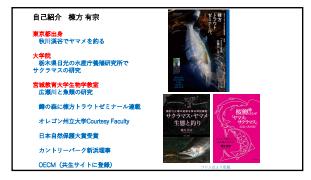
第21回環境対応セミナー 仙台の川魚の現状と河川整備の最新事例

宮城教育大学 棟方有宗

1





2

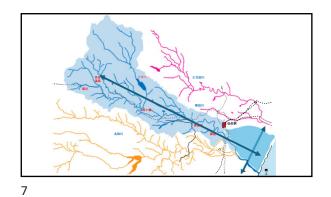






4 5

2025/10/20







8 9







10 11



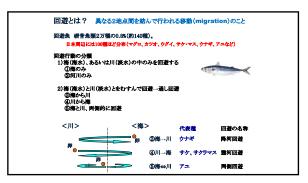




13 14 15

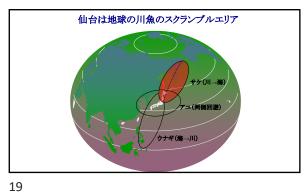






16 17

2025/10/20







19 20







22 23 24

Λ







25 26 27







28 29 30







31 32 33



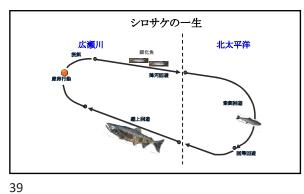




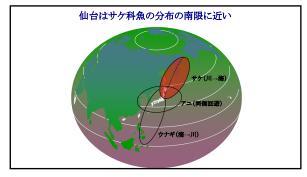
34 35

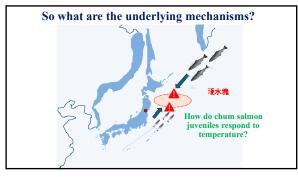


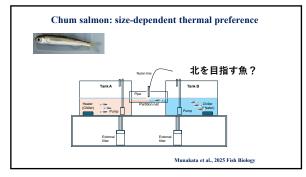




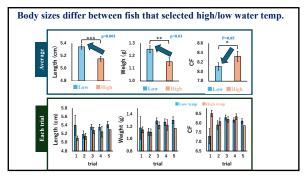
37 38

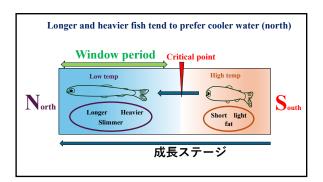


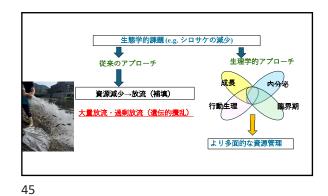




40 41 42



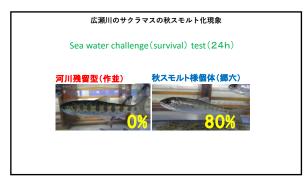




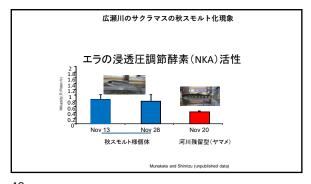
43 44







46 47 48

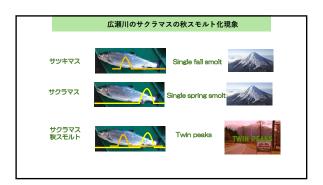


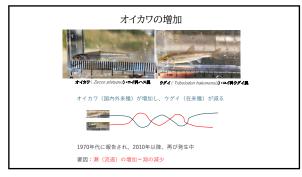




49 50

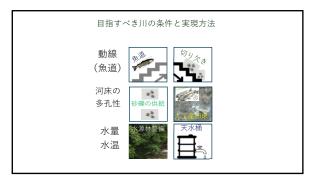




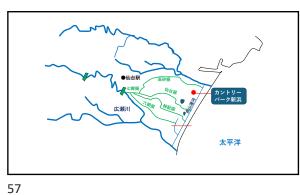


52 53

2025/10/20







55 56







58 59 60