

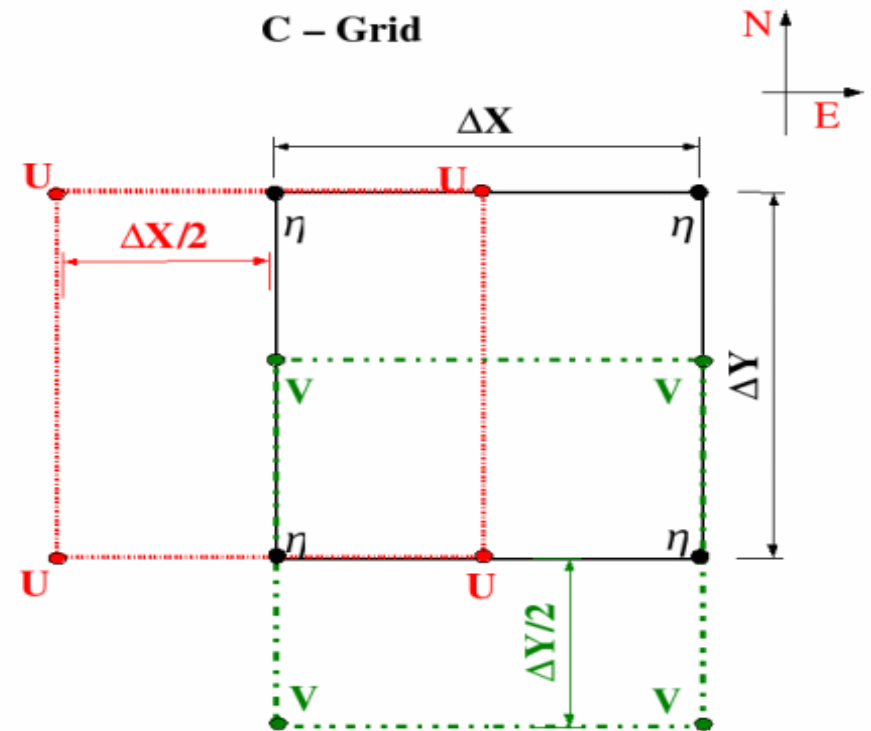
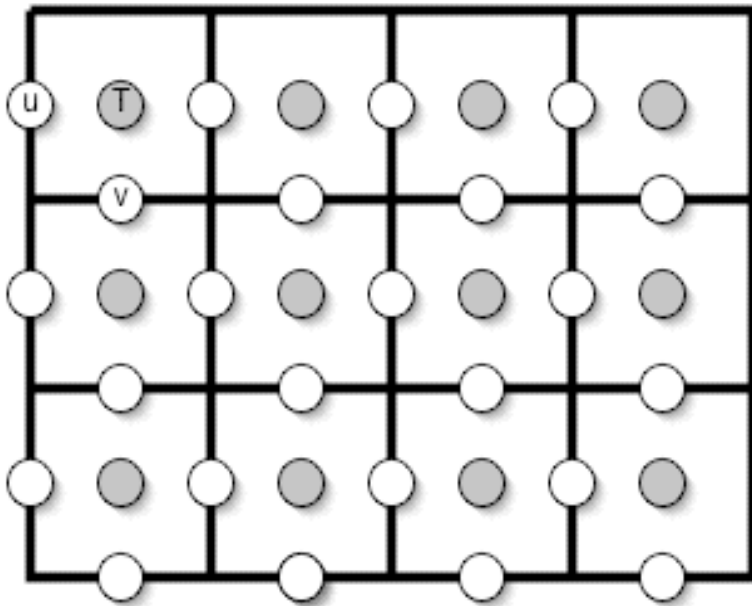
Présentation du modèle de l'Adriatique avec le code ROMS



ROMS

- Équations primitives discrétisés
- Base de données importante
- Time splitting

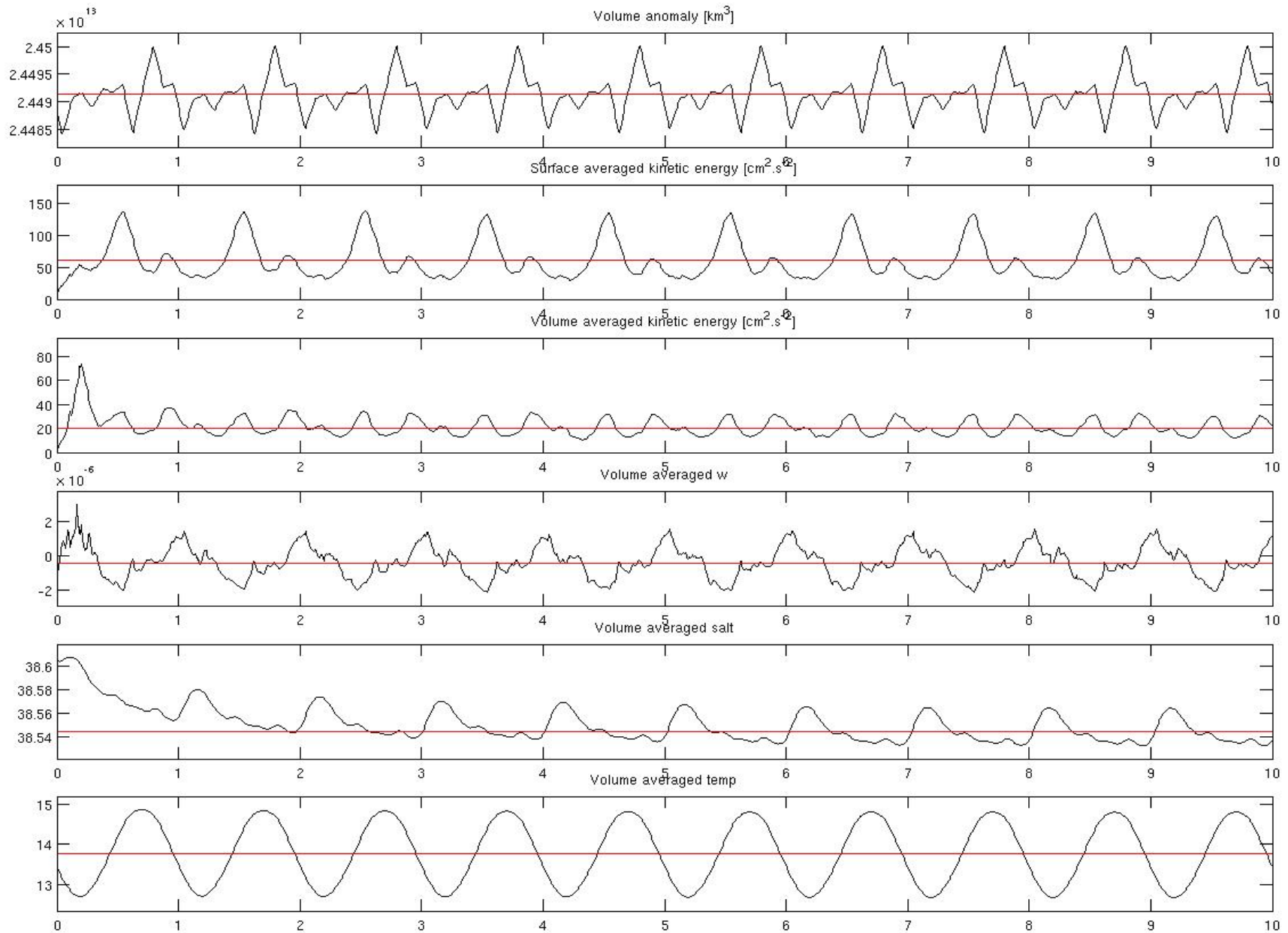
ROMS



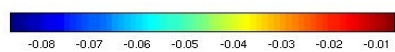
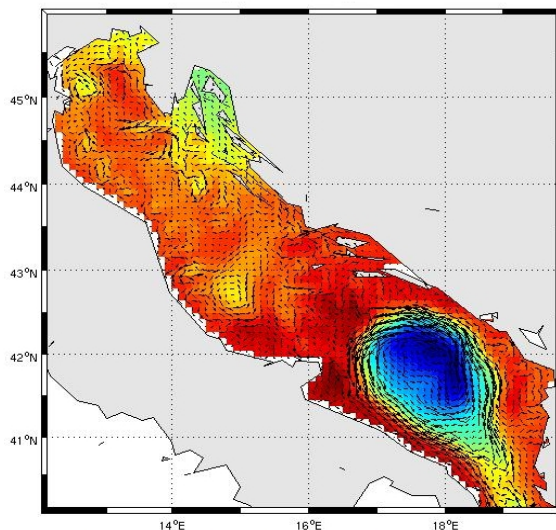
Implémentation du modèle

- Définir la zone à modéliser
- Choisir la résolution
- Redéfinir les cotes
- Choisir les coordonnées sigma
- Conditions CFL
- Conditions initiales et aux frontières

Résultats

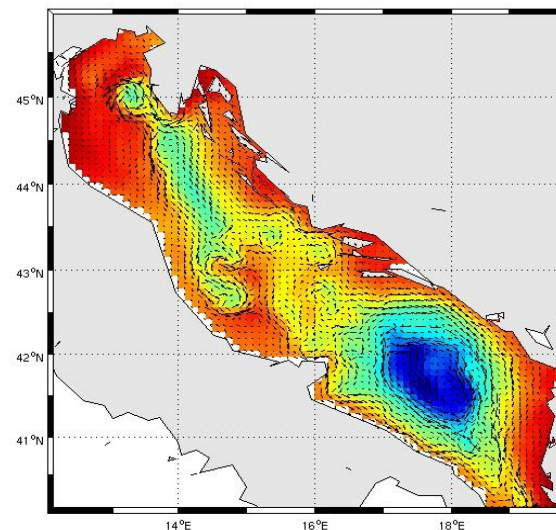


Résultats



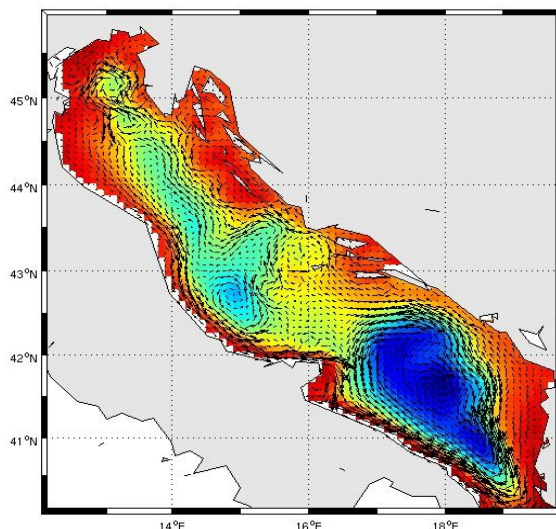
HIVER

0.1 m.s⁻¹



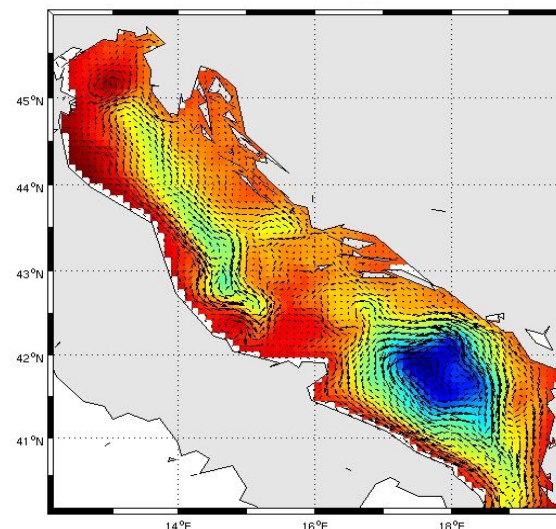
PRINTEMPS

0.1 m.s⁻¹



ETE

0.1 m.s⁻¹



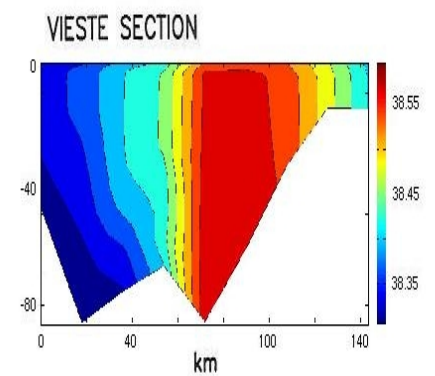
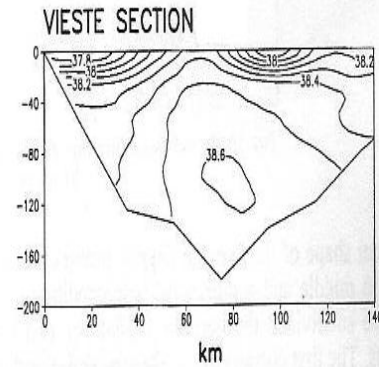
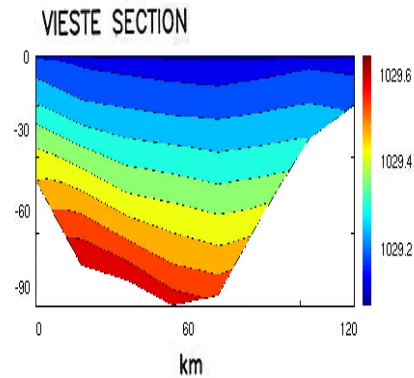
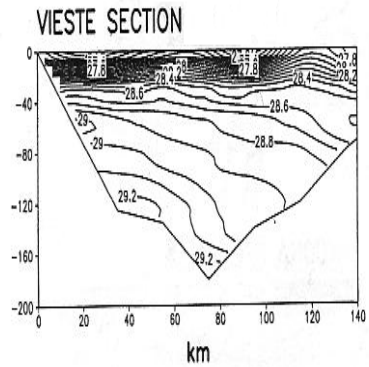
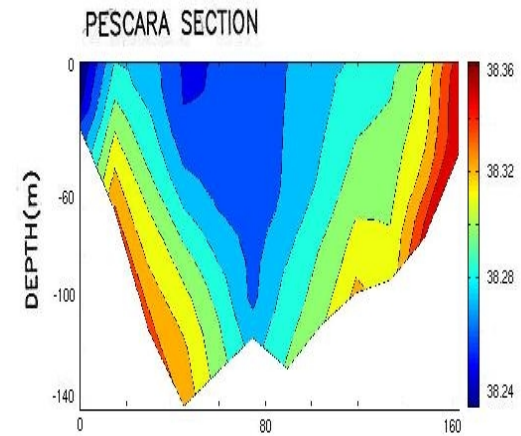
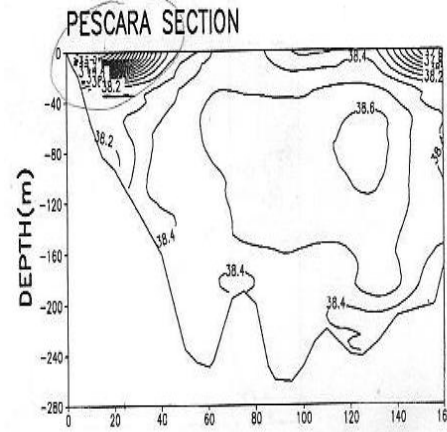
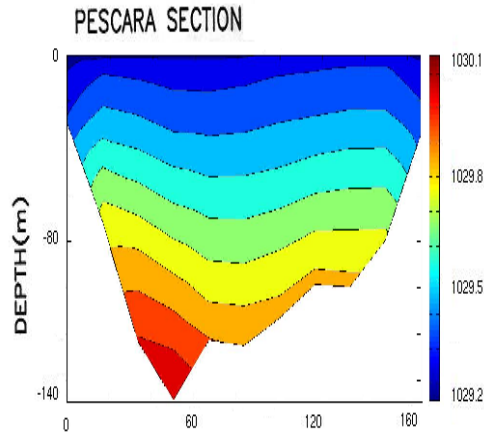
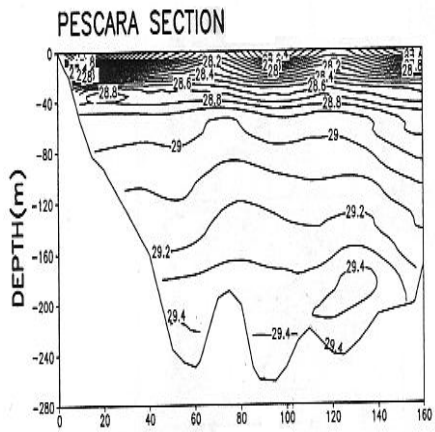
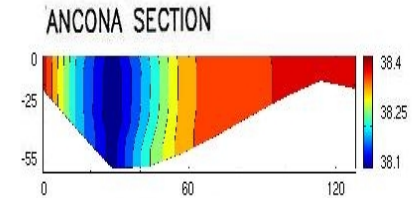
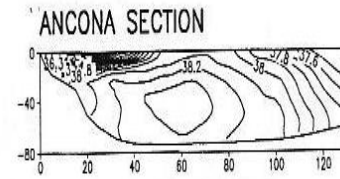
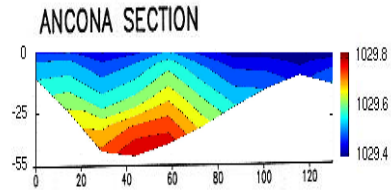
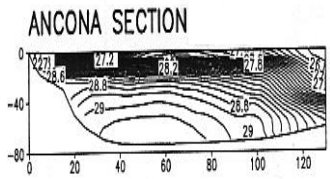
AUTOMNE

0.1 m.s⁻¹

Comparaison avec les données

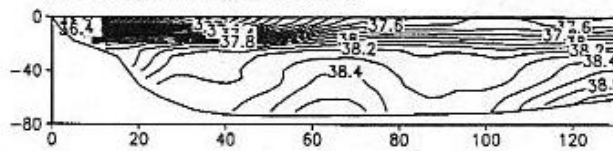
- Forçages
- Profils verticaux
- Sections verticales

Comparaison (sections printemps)

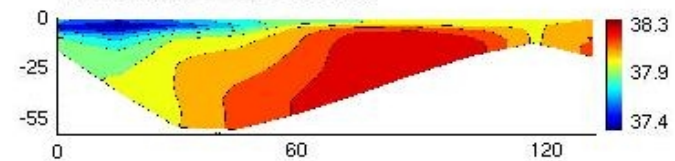


Comparaison (sections été)

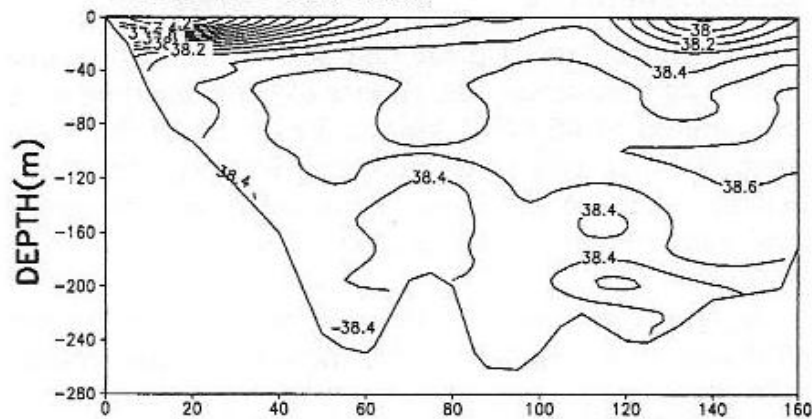
ANCONA SECTION



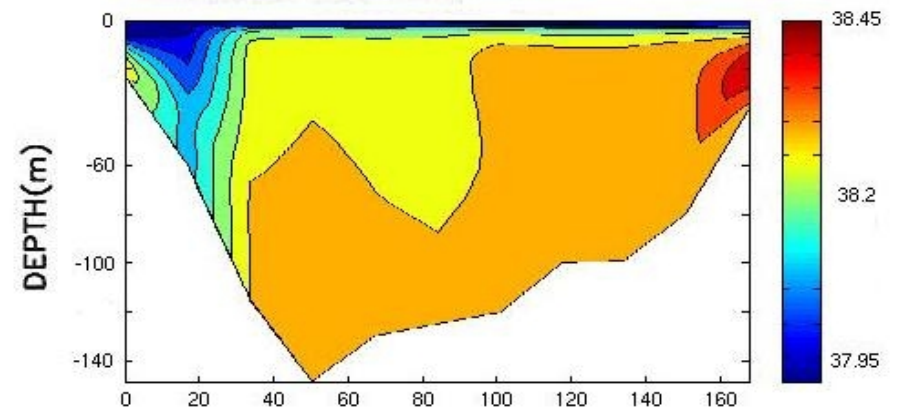
ANCONA SECTION



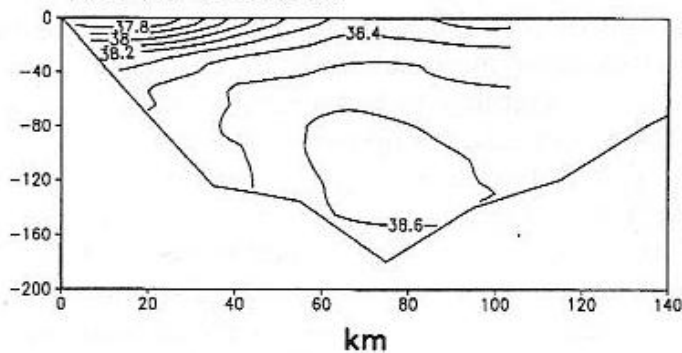
PESCARA SECTION



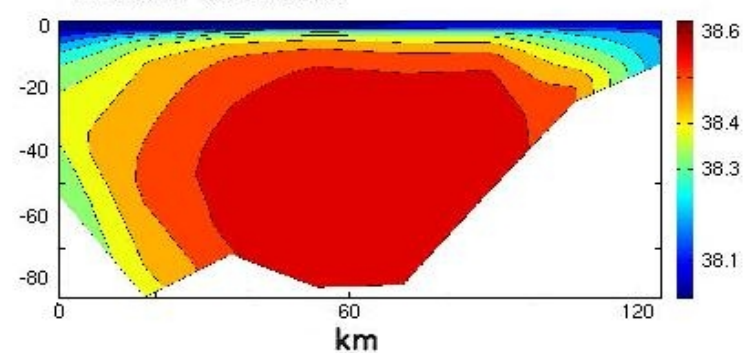
PESCARA SECTION



VIESTE SECTION



VIESTE SECTION



Comparaison (eaux types)

- NAdDW: North Adriatic Deep Water
- MILW (centre): Modified Intermediate Levantine Water
- MAdDW: Middle Adriatic Deep Water
- MILW (Sud): Modified Intermediate Levantine Water
- SAdDW: South Adriatic Deep Water

Comparaison (eaux types)



Conclusions

- Circulation générale bonne
 - Comparaison des mois d'été bonne
 - Comparaison des mois du printemps discutable
-
- Refaire une simulation avec des forçages plus proche de ceux des données de littérature