New telemac3d features for v5p3 links from New version features

v5p3 TELEMAC-3D

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The principal features of this version v5p3 of TELEMAC-3D are:

- An option with prisms split into tetrahedrons.
- A new way of solving the diffusion step.

New options and new or modified keywords
ELEMENT

Character string. The default value is "PRISM"
Two choices are now possible:

PRISME OR PRISM : classical option.
TETRAEDRE OR TETRAHEDRON : prisms split into tetrahedrons.

OPTION FOR THE DIFFUSION (OPTION POUR LA DIFFUSION)

Integer. The default value is OPTDIF = 1
Two choices are currently possible:

OPTDIF = 1 : implicit diffusion (classical option) .
OPTDIF = 2 : implicitation of the diagonal term of the diffusion with the coefficient TETADI for all variables. In this case, all « Maximum number of iterations for diffusion » have to be set : current value is 1

IMPLICITATION FOR THE DIFFUSION (IMPLICITATION POUR LA DIFFUSION)

Double precision. The default value is TETADI = 1.5
Activated only if the keyword value **OPTION FOR THE DIFFUSION = 2**

New user subroutine and modifications in user subroutines

None