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| PAPER TITLE ASTRAL: A SOFTWARE FOR THE ESTIMATION OF ACCIDENTAL RELEASES OF RADIONUCLIDES IN THE ENVIRONMENT | | | | |
|---|---|--|---|--|
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| accident cannot be to Centre to face such a needs in environmen (technical assistance i radioactive state of ti rehabilitation actions a | r precaution is taken about the tally ruled out. The institute of Pron eventuality. This centre is often tall consequences assessment of in post-accidental radioprotection) the environment, forecast its evound countermeasures and comparations. | use of nuclear energy, the occur official and Nuclear Safety set up tested through crisis exercises. In f nuclear accidents a Software co is under development, it allows to obtition in time and space, estima re the calculated values with regula | a Technical Crisis order to meet the alled « ASTRAL » : characterise the te the efficacy of | |
| The ASTRAL so | oftware is based on the following o | elements : | | |
| 🗀 Á data bank co | ontaining information such as : | | | |
| counter-mea | asures I parameters such as transfer facto | clear facilities, potential radionuclors, radiological data, | ides releases, | |
| ☐ A cartographic concerned zone | c module based on a Geograph e, extract data, and display results | ical information System, used to i, | visualise the | |
| | module integrating dynamic me literature (ECOSYS, AIEA), | nathematical models, especially o | developed or | |
| □ tools for the gra | aphical presentation of results, | | | |
| ☐ an ergonomic | interface Machine - Man in order | to manage the system. | | |
| Special attention of the | | licity of use in the case of a cris | sis and to the | |