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|  |  INTERNATIONALEUROPEAN COMMISSION SCIENCE AND DIRECTORATE-GENERAL 'Research' TECHNOLOGY CENTER |   |

**CONTACT EXPERT GROUP on**

**SEVERE ACCIDENT MANAGEMENT (CEG-SAM)**

*To:* L.Bellemin (EC RTD-N) *Advice no.:* A-07

*Project code:* # 2916 *Date:* 13th February 2004

*Signatures:* A.Zurita (Chairman) and P.Hofmann (Secretary)

*Linked meeting(s):* 5th CEG-CM/SAM meeting. Paris, 11-13 February 2004.

*Attending members:* Messrs. Adroguer (IRSN); Allelein (GRS); Altstadt (FZR); Azarian and Fischer (FANP); Bottomley (JRC/ITU); Cognet and Journeau (CEA/DEN/DSNI); Dutheillet and Marguet (EDF); Miassoedov, Stuckert and Tromm (FZK); Oriolo (Univ.Pisa); Unger (RUB)

*Copies:*  CEG-CM/SAM members; Gambier and Tocheny (ISTC, Moscow); Forsström (EC RTD-J.4); Strizhov (IBRAE)

\* Subject: “Analysis of fuel containing mass (FCM) behaviour during the active phase of the Chernobyl accident / Chernobyl lessons” (CHESS)

\* EU Collaborators: IRSN (F), GRS (D), CEA (F), FZK (D) and JRC-ITU.

\* Documents: - ISTC project proposal #2916 description by RRC-KI and IBRAE (6 p.)

- Revised recommendation from the ISTC CEG-CM group on the Chernobyl project (15th January, 2004)

- Comments on recommendation by IBRAE (23rd January 2004).

\* Advice: **EU funding recommended**

\* Justification: This proposal offers a unique opportunity to have access to the existing complete data base concerning the ex-vessel corium progression and behaviour during the Chernobyl accident. It will enable the EU collaborators to compare for the first time the capabilities of the EU corium related codes with Chernobyl accident data. It is expected that it should lead to positive safety implications on specific severe accident management issues as long-time corium behaviour within the EU nuclear community.

\* Recommendations: The proposal formally registered in December 2003 should be adapted to the accepted CEG-CM recommendations of 15th January 2004.

\* Comments: The proposal discussed at the 5th CEG-SAM meeting implemented those CEG-CM recommendations of 15th January 2004. Former proposals on the same topic were presented and assessed during previous 3rd and 4th CEG-CM meetings.

This proposal is very linked to the topics of various EC/FP projects: the network EC-SARNET in the Euratom FP-6 and the still ongoing PLINIUS and LACOMERA of the Euratom FP-5 (together with the recently finished EURSAFE, COLOSS, ENTHALPY and ECOSTAR).

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| Dissemination level : REPU: publicRE: restricted to EC, CEG-CM members, ISTC and CIS beneficiariesCO: confidential, only for EC, CEG-CM members and ISTC |

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