## Implementation of the Integrated Approach in Different Types of Exposure Scenarios

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Abstract—The ICRP recognises three different exposure situations (planned, existing and emergency). In all three situations, the release of radionuclides into the natural environment leads to exposures of non-human species, as well as having the potential for exposures of the public. This presentation will describe how the key principles of the ICRP system of radiological protection apply in each of these exposure situations. Current work in this area within Task Group 105 will be highlighted. For example, we are exploring how simplified numeric criteria may be used in planned exposure situations that are protective of both the public and non-human species. For existing exposure situations, we need to better understand the potential impacts on animals and plants especially when considering the remediation options that may be applied. Understanding both the radiological and non-radiological consequences may be important in making decisions. In emergency situations, understanding the potential impacts on non-human species may be important for communication, although in practice little may be done to mitigate their exposure. The TG is making use of examples of how exposure situations have been managed in the past to provide additional guidance and advice.