

Radio Science Issues: the radio spectrum - an explosion of users for a unique limited resource

François Lefeuvre

President of the International Radio Science Union, URSI, LPCE/CNRS 45071 Orleans cedex 2, France.

Due to the growing number of applications implemented through radio communications, a new vision of the radio spectrum emerges. Consequences on radio waves observations are just starting to be studied. The activities of the 10 URSI (International Radio Science Union) scientific commissions are briefly reviewed with an emphasize on the 5 commissions which cover observations which are, or which may be, involved in Space Weather studies: Electromagnetic Noise and Interference, Wave Propagation and Remote Sensing, Ionospheric Radio and Propagation, Waves in Plasma, Radio Astronomy. Actions in progress are presented. They concern: Telecommunication and Radio Science, management risk in particular in developing countries, the URSI white Paper on Solar Power satellites.