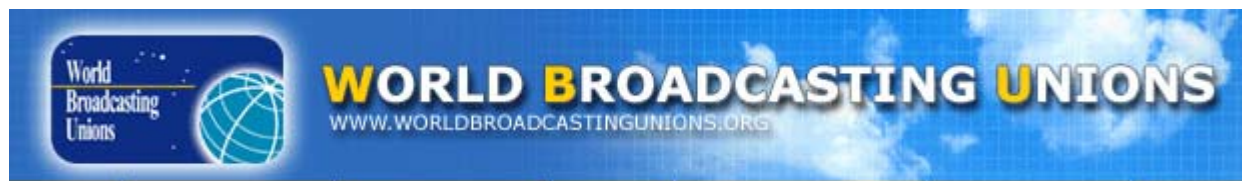


WBU-TC Report

David Wood Chair WBU-TC

EBU Technology and Innovation



Spectrum Management

- More and more pressure all around the world to give television broadcast spectrum over to wireless broadband.
- Fear that using broadcast band spectrum will only satisfy short term needs of users, because of the growth of video traffic.
- Fear that using broadcast spectrum will limit the evolution of terrestrial broadcasting.
- Fear of interference to viewers and listeners



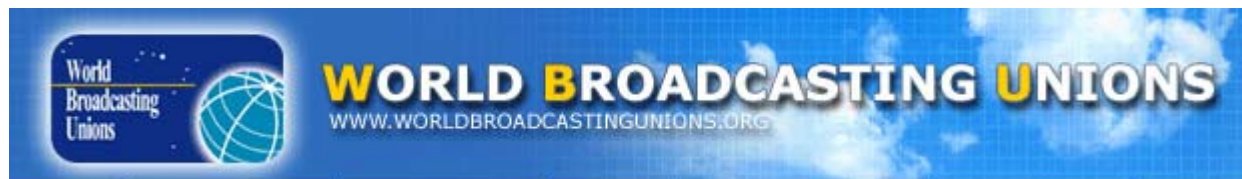
Spectrum Management

- Survey suggests that most (though not all) broadcasters in the world have no 'long term' plans for their evolution.
- How many channels? Which kind? Which quality?
- IMT organisations have very simple long term plans – growth of their IMT services.



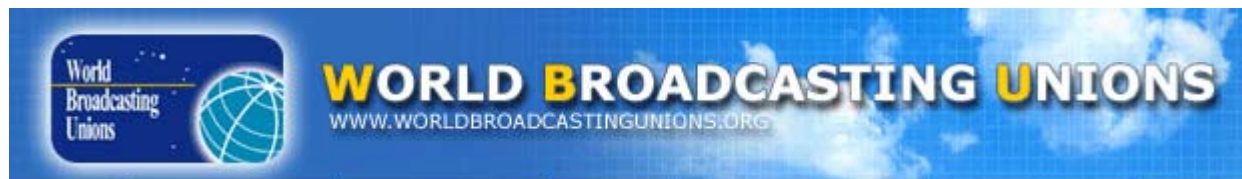
Green Broadcasting

- How to get the media world to care?
- ‘Its a good idea as long as someone else is doing it’.
- ‘Altruism’ or ‘saving the ever higher costs of energy’?
- Dilemma: New technology uses less people but more energy – compare video tapes and solid state storage.



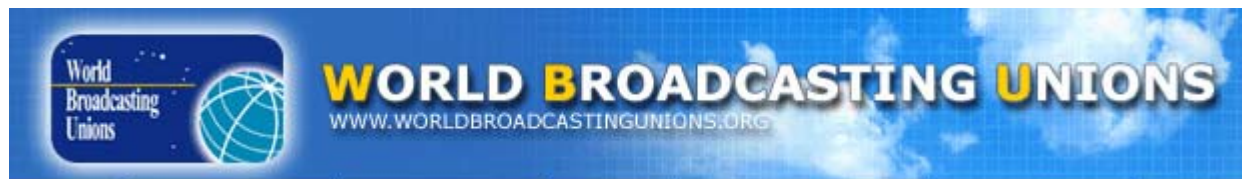
SmartTV (TV plus Internet)

- Smart TV is the most fragmented ‘standards’ situation in the history of the media – over a dozen different systems around the world.
- What can we do to help?
- Can there be common ‘suggestions’ from the media industry?
- Piracy? Security? Integrity?



UHDTV

- UHDTV standards are now agreed by the ITU
- Two levels – UHD-1 (Ultra-HD) and UHD-2 (Super Hi-Vision).
- Not yet there with audio for UHDTV
- There are ‘variants’ of UHD-1 for digital cinema – can they all be aligned?

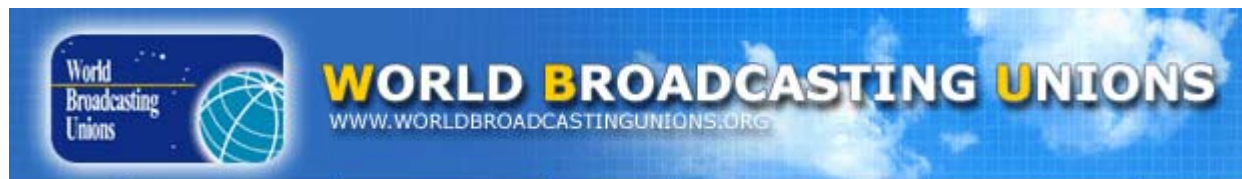


Digital Radio

- The transition to digital radio across the world has been very slow. DAB first shown in 1988.

Why?

- We love common standards for digital radio – that's why there are so many of them.
- The future may be 'hybrid radio' – combining radio and internet services.
- The WBU-TC is recommending the Radio-DNS system for hybrid radio.



Cooperation with WBU-ISOG

- DSNG WBU profile(s)?
- Protection of C-band from IMT?
- Advice on UHDTV?
- Advice on HEVC?
- Suggestions welcome?



Thank you for listening?

