### MP22 Standardisation Roadmap

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#### Third Mini-Workshop on Immersive Live Experience (ILE)

Holiday Inn Macao Cotai Central, Macao, 24 October 2017, ITU-T SG16 meeting



For an explanation of the (many) acronyms in this presentation, see <a href="https://mpeg.chiariglione.org/docs/mpeg-strategic-standardisation-roadmap">https://mpeg.chiariglione.org/docs/mpeg-strategic-standardisation-roadmap</a>

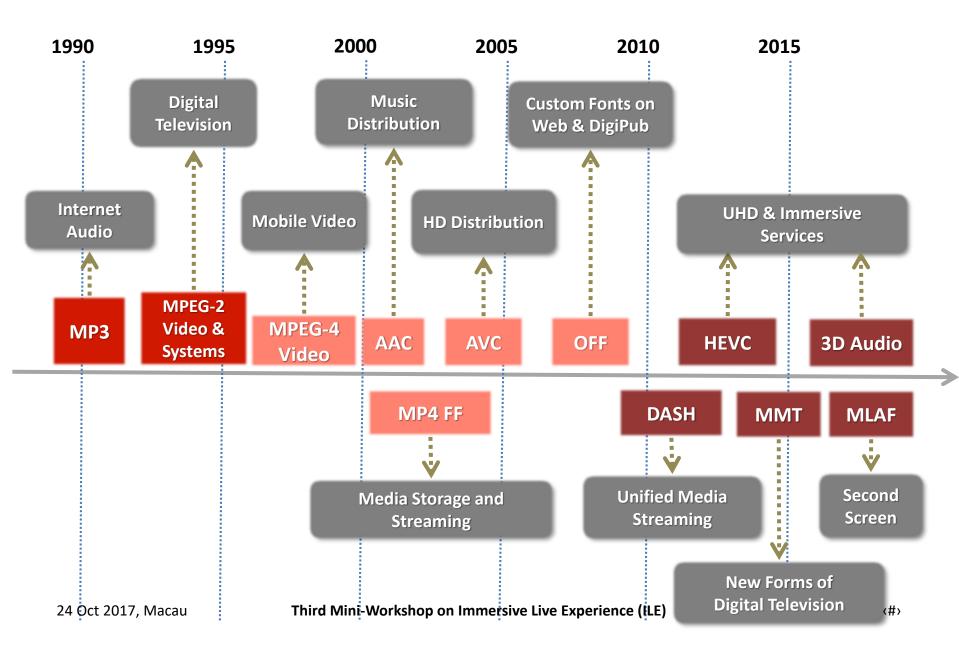
## Why a Standardisation Roadmap?

- MPEG has created, and is still producing, media standards that enable huge markets to flourish
- MPEG works on requirements from industry
- Many industries represented in MPEG, but not all of MPEG's customers can or need to participate in the process
- MPEG wants to inform its customers about its longterm plans (~ 5 years out)
- ... and collect feedback and requirements from these customers
- ... including in this session

## What is in the Roadmap

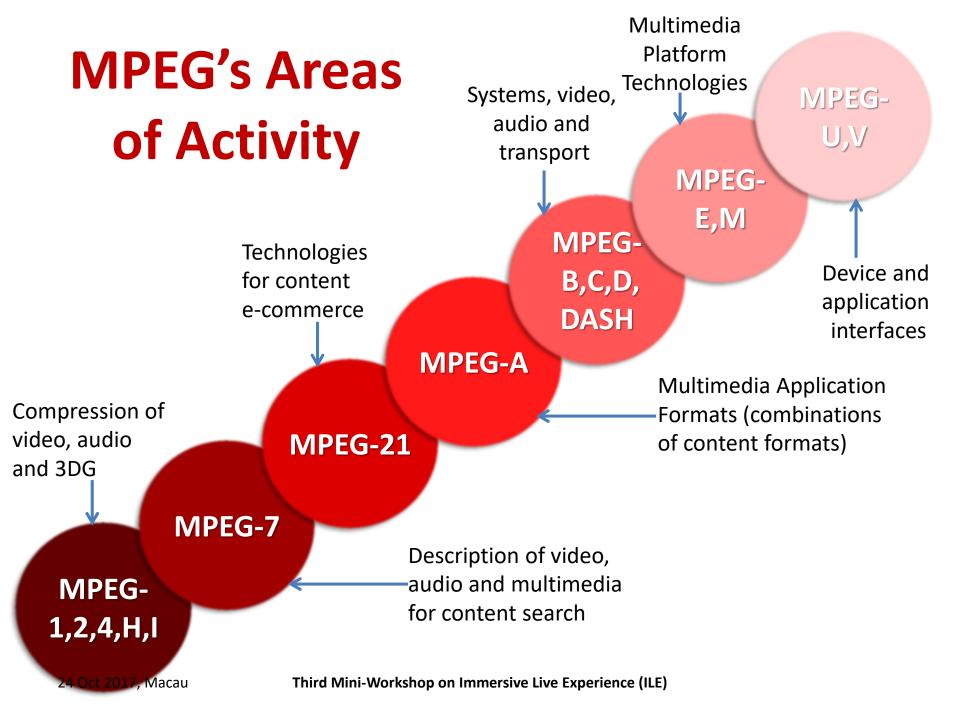
- Our roadmap is a short document.
- It briefly outlines MPEG's most important standards

#### **MPEG Standards**



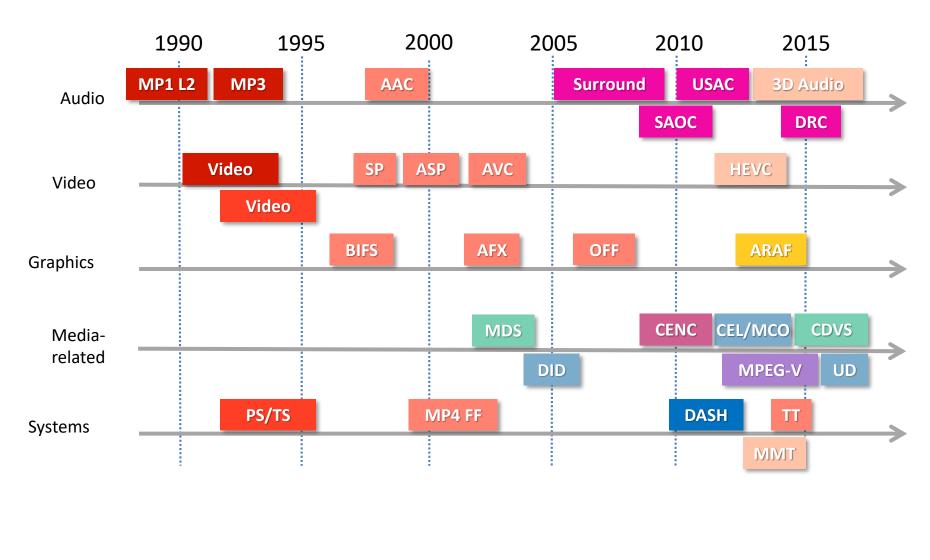
## What is in the Roadmap

- Our roadmap is a short document.
- It briefly outlines MPEG's most important standards
- It then gives an overview of MPEG's activities



## What is in the Roadmap

- Our roadmap is a short document.
- It briefly outlines MPEG's most important standards
- ... it then gives an overview of MPEG's activities
- ... and then an overview of all MPEG's standards



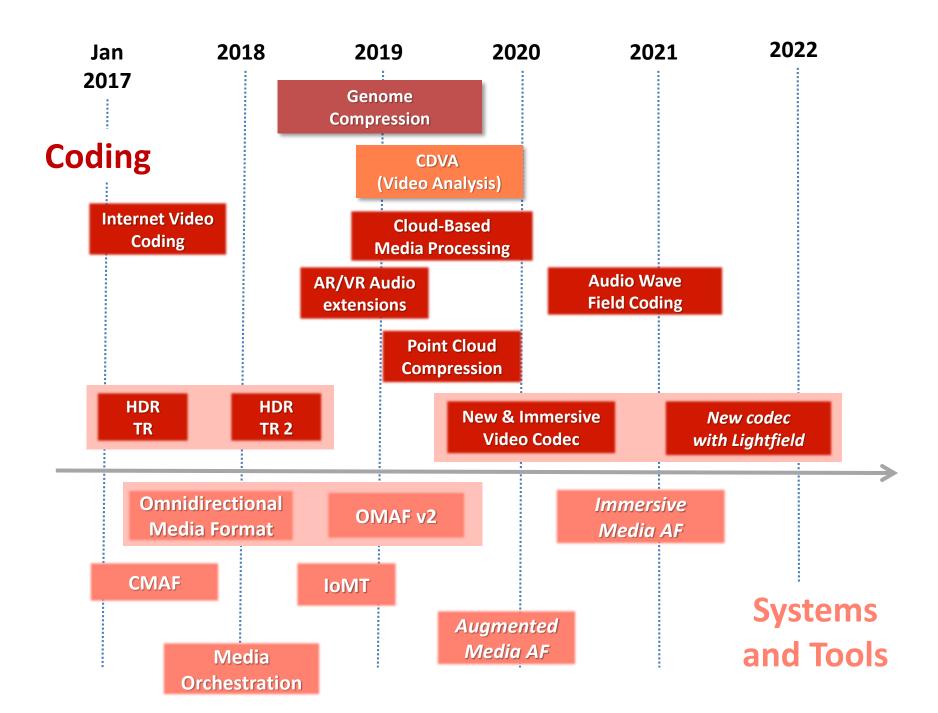
Colour coding	MPEG-1	MPEG-2	MPEG-4	MPEG-7	MPEG-21
	MPEG-A	MPEG-B	MPEG-C	MPEG-D	MPEG-H

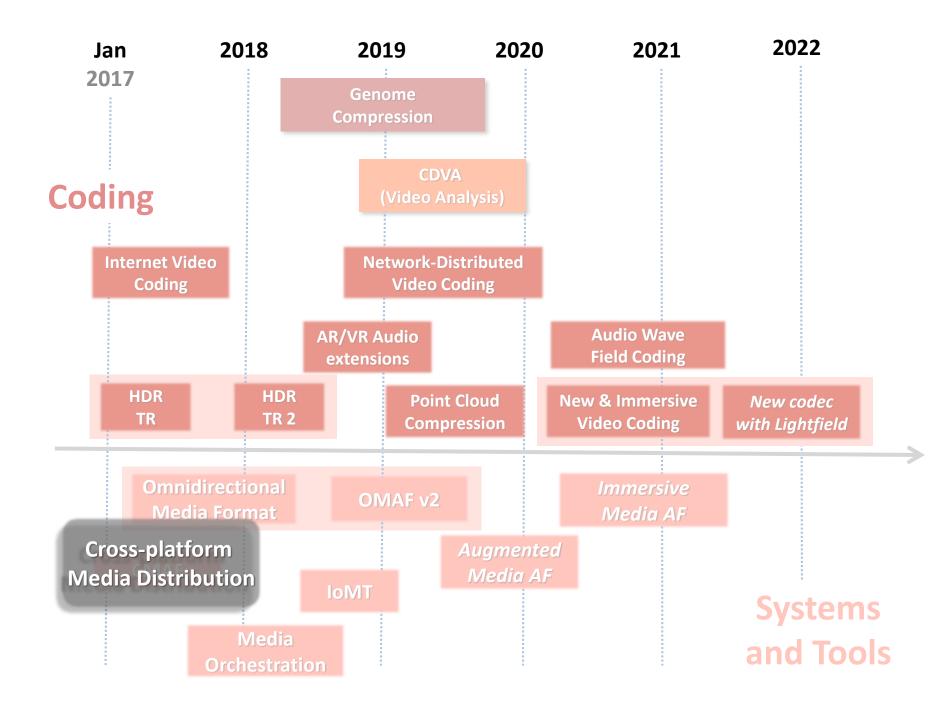
24 Oct 2017, Macau

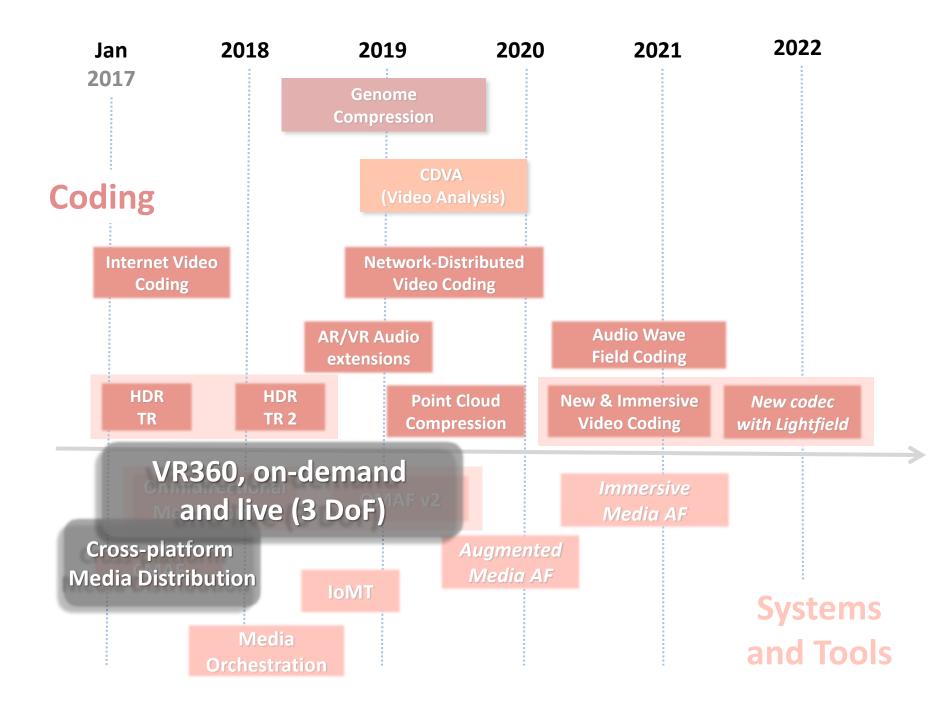
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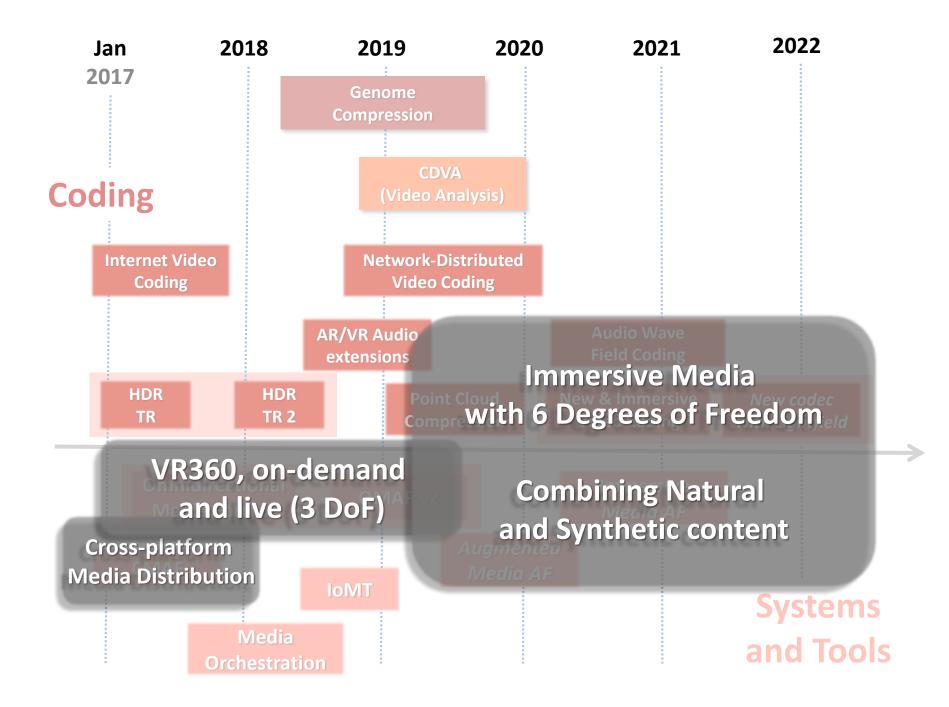
## Significant Developments Shape MPEG's Roadmap

- The relentless increase of IP-distributed and Mobile media
- Higher quality
- More immersion media (UHD, VR, AR)
- The Internet of Media Things & Wearables
- Cloud-based media processing, storage and delivery









# MPEG-I

New MPEG project: ISO/IEC 23090 – Coded representation of immersive media

- 5 parts currently planned
- 1. Architectures
- 2. Omnidirectional Media AF
- 3. New & Immersive Video Coding
- 4. New & Immersive Audio Coding
- 5. Point Cloud Coding

Further considering:

- 6. Metadata for Immersive Services and Applications
- 7. Metrics for Immersive Services and Applications