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EURORADIO CONTACT ENGINEERS

- **Pavel BALÍČEK**

- Euroradio Contact Engineers Vicechair

- CZCR

WHO WE ARE ??? - EURORADIO CONTACT ENGINEERS

Euroradio Contact Engineers – an **expert community of technically involved people**, who care about **audio quality/quality audio** (☺) of content used for international sharing/cooperation/live.

- Liaisons for productions, music recordings, news, MCR staff, HostBroadcasting etc.

- They know the production chain, guard the quality of processes, workflows and technologies

- Do You know Your Euroradio Contact Engineer ???

Huw Robinson – GBBBC – Chair of ERCE, Music Group, music production expert

Carsten Gertzen – DEARD – Vice chair of ERCE, ACE Group, TCSP Frankfurt, coordination of Music Exchange

Pavel Balicek – CZCR – Vicechair of ERCE, IntRel Community, distribution/contribution tech expert

Martin Lonicer – ZZEBU News – Secretary of ERCE, News producer/coordinator

EURORADIO CONTACT ENGINEERS – MAIN ACTIVITIES

Our main task is to take care and support cooperation and Exchange of audio content :

- Music Exchange – live and recorded concerts (MUS system, RoIP FLEX network)

- Member to Member cooperation – Euroradio SIP server

- Quality care and recommendation – Engineers scheme (Exchange of experiences), Concert Evaluation

- Technical care and control – FLEX system, 2Wcom codecs, MCR staff support etc.

- Special events – Host Broadcasting, Festivals, Summits etc.

- Regular on-line meeting and consultation

- **Annual Plenary 2023 – 11th Oct in Torino (joined with Eurovision ACE Group)**

- Plenary for 2024 – final decision not yet

EURORADIO CONTACT ENGINEERS – HOT TOPICS FOR Y2023-24

Actuall topics for todays :

- **Music Exchange/FLEX** – new agreement with ESSA/DUBAG for providing and system support of the network – **technical consultation with EBU Music team**, system design, split of responsibilities, documentation, workflows and incident escalation scheme …

- **NO impact for Members and Users !!**

- **FLEX for news is not used now** – so it will be stopped and replaced **by Icecast/Internet streaming**, sources from EBU newsdesk (Eurovision EBU news channels, events, SIP lines)

- Schedule - https://mixbroadcast.com/ebu/news-status

- **Quality care and recommendation** – Updated **R128 „Loudness" digital normalization**, levels of record and distribution – Annex **R128s3** is spec. for radio - most of program EBU exchange should comply „standard" level

HOW TO SHARE AUDIO CONTENT

- **LIVE – distribution** – **one source, many simultaneous destination (one to many)**

    - Typically **Euroradio Music Exchange concerts**, Notturno, channels iHaydn/iLiszt + ad-hoc setups

    - **RoIP project** – codecs 2Wcom, SRT protocol, **FLEX** control platform, **Icecast (streaming) backup**

- **LIVE – One-To-One** – bi-directional audio feeds

    - **Euroradio SIP server** – typically guest in foreign country/member studio

    - Temporary provided accounts/guest booths – for **live event commentary positions** on special events (cultural festivals, sport events, political events)

- **Recorded** (non live) – sharing platforms, offer of files/recordings

    - **Music Exchange – MUS** (deffered broadcast), file transfer to local storages (download)

    - Non-music – **audio.ebu.ch** – upload/download of files, with basic description and transcription

    - News platform – **newsdirect.ebu.ch** – provided for news audio/video clips

≡ Český rozhlas

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EBU SOUND ENGINEERS SCHEME

Sharing of **real experiences**, by **visiting sound engineers during real work**

- **https://www.ebu.ch/music/sound-engineers-scheme**

- Different „modes" and roles for EBU Members :

    - **Mentor** – goes to another Member to „offer" and „teach" experiences to hosting member staff

    - **Hosts** – has demand and idea what they would „like to learn" or „improve" and hosts Mentor from other members

- The hosting team should prepare real recordings (concert, drama, studio) to present their workflows and setups and discuss with the Mentor

- Based on offers and application forms, **EBU then „pairs" suitable Visitors and Hosts**

- **Deadline for app form to 31st May!**

- EBU can donate some expenses (travel, accommodation)

- New possibility for „**Discovery Visits**", allowing sound engineers to apply for a 2-day visit of another organization to learn more about their techniques and workflows

EBU CONCERT EVALUATION INITIATIVE

Project designed to help improve the quality of concert recordings and overall quality of EBU Music Exchange:

- Last Year (2023) „round" – 10 recordings on Chamber music genre (ORF, BNR, SRF, Czech Radio, SWR, Catalunya Música, Yle, BBC, RTÉ and NHK)

- **Individual** reference listening by involved sound engineers, evaluation and filling of survey/form about technical and artistic aspects of the records.

- After individual listening there is a common discussion (moderated by Huw Robinson) – sharing of feedback and comments

Sharing of experiences is the best way how to improve and maintain the best quality of Music Exchange

This Year (2024) will be presented shortly, again to chambre music genres…

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THANK YOU ☺

ANNEX – RESOURCES - LINKS ☺

RESOURCES AND LINKS:

- **ERCE Collaborative Webspace:**

  https://www.ebu.ch/groups/radio/contact-engineers

- **Our last assembly with ACE Group**

  https://www.ebu.ch/events/2023/10/37th-ace-assembly

- **MUS system   -   https://mus.ebu.ch/**

- **MUS Live chat -   https://mus.ebu.ch/chat#/general**

- **FLEX RoIP   -   https://flex-euroradio.ebu.ch/#!/matrix-room**

- **Icecast Music Exchange backup streams:**

  - **http://icecast.ebu.ch/haydn.mp3**

  - **http://icecast-lk.ebu.ch/haydn-b.mp3**

  - **http://icecast.ebu.ch/liszt.mp3**

  - **http://icecast-lk.ebu.ch/liszt-b.mp3**

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RESOURCES AND LINKS:

- **Non music / news planning and scheduling:**

    - **https://mixbroadcast.com/ebu/news-status/**

    - **https://news-exchange.ebu.ch/**

- **Request for notification – radio-ops@ebu.ch**

- **Non music / news Icecast streams:**

    - **http://icecast.ebu.ch/tcsp/radio-news-1.mp3**

    - **http://icecast-lk.ebu.ch/tcsp/radio-news-1-b.mp3**

    - **http://icecast.ebu.ch/tcsp/radio-news-2.mp3**

    - **http://icecast-lk.ebu.ch/tcsp/radio-news-2-b.mp3**

- **News file/clip exchange platform:**

    - **https://audio.ebu.ch/#/news/all**

    - **https://newsdirect.ebu.ch/search/results**

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RESOURCES AND LINKS:

- **Ukrainen Radio and TV Redistribution by EBU/TCSP - Icecast streams:**

    - **http://icecast.ebu.ch/tcsp/uapbc-radio.mp3**

    - **http://icecast-lk.ebu.ch/tcsp/uapbc-radio-b.mp3**

    - **http://icecast.ebu.ch/tcsp/uapbc-tv.mp3**

    - **http://icecast-lk.ebu.ch/tcsp/uapbc-tv-b.mp3**

- **R128 Loudness – EBU Tech Recommendation (R128s3 for Radio)**

    - **https://tech.ebu.ch/publications/r128s3**

- **Loudness Working Group – PLOUD**

    - **https://tech.ebu.ch/loudness**