Disaster relief applications for broadcasting services

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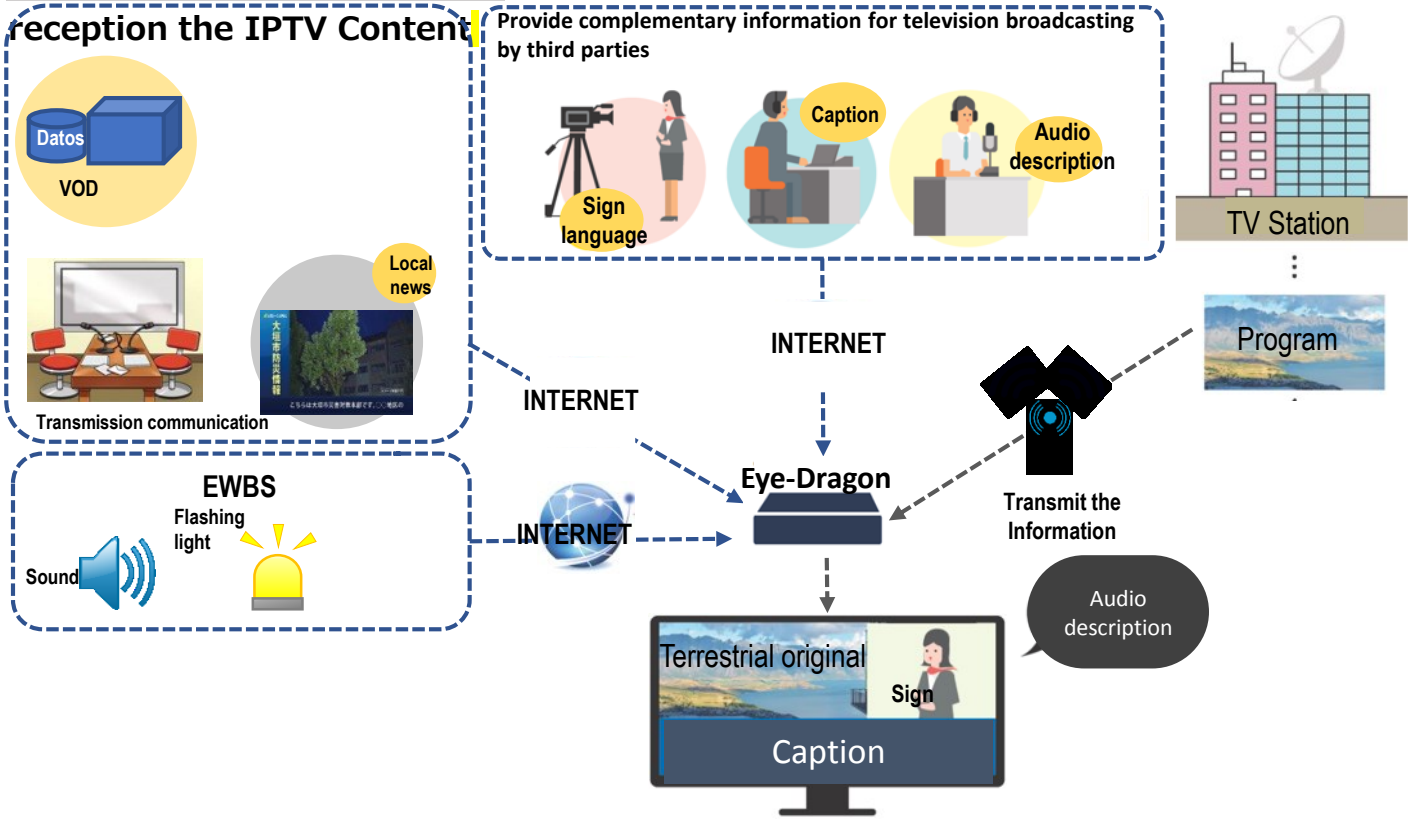
< Function to receive the content by IPTV >
It is possible to receive on-demand information and regional information delivered by the Internet

< Function to add complementary information to broadcast programs >
Third parties other than the broadcasting station can give accessible information such as caption, sign language, audio description to the broadcast program



In 1995, the Great Hanshin Awaji earthquake occurred.

All the TV programs were changed to an emergency disaster programs without sign language and caption.
(Sign language news was also canceled.)

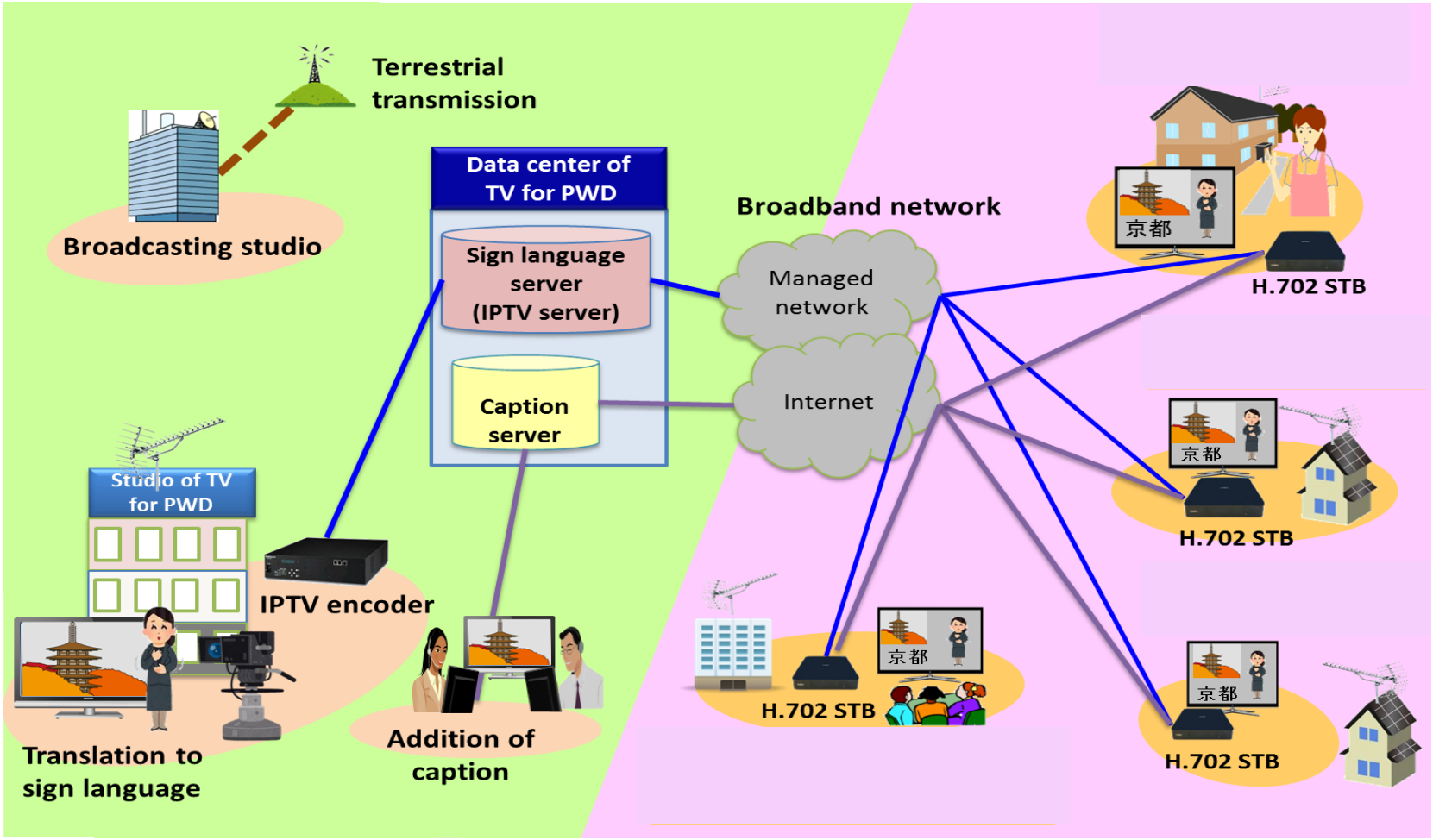
People with disability, especially persons with hearing disability, **could not obtain real-time information**.

An NPO “The Organization of Broadcasting for Persons with Disability” was established, in cooperation with groups like “The Japanese Federation of the Deaf” and “All Japan Association of Hard of Hearing People”.

In 1998, the organization began a broadcasting service with sign language and caption for the deaf and hard of hearing by a CS satellite transmission.

大津波警報が追加されました
千葉県九十九里・外房
非常に強い地震がありました。
宮城県、震度7を観測しています。
岸壁を乗り越えて、岩手県の釜石
市の現在の様子です。

In 2018, we started IPTV services.

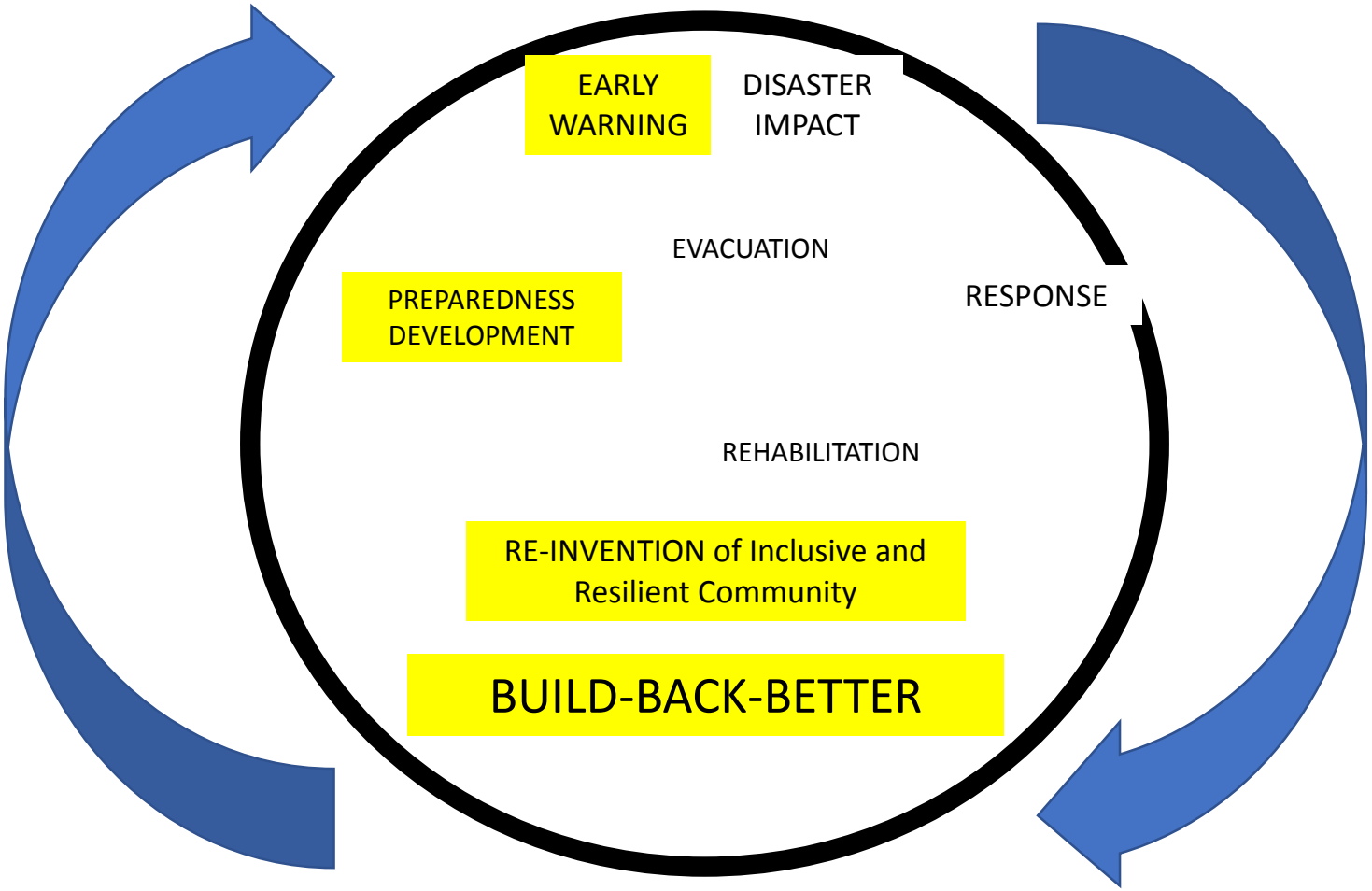


”Eye dragon4” IPTV terminal device

Layout of content on display using Eye Dragon

A good Practice Presentation on Disability-inclusion: 3rd World Conference on DRR (3WCDRR)

Early Evacuation is the Key for Survival of Persons with Disabilities



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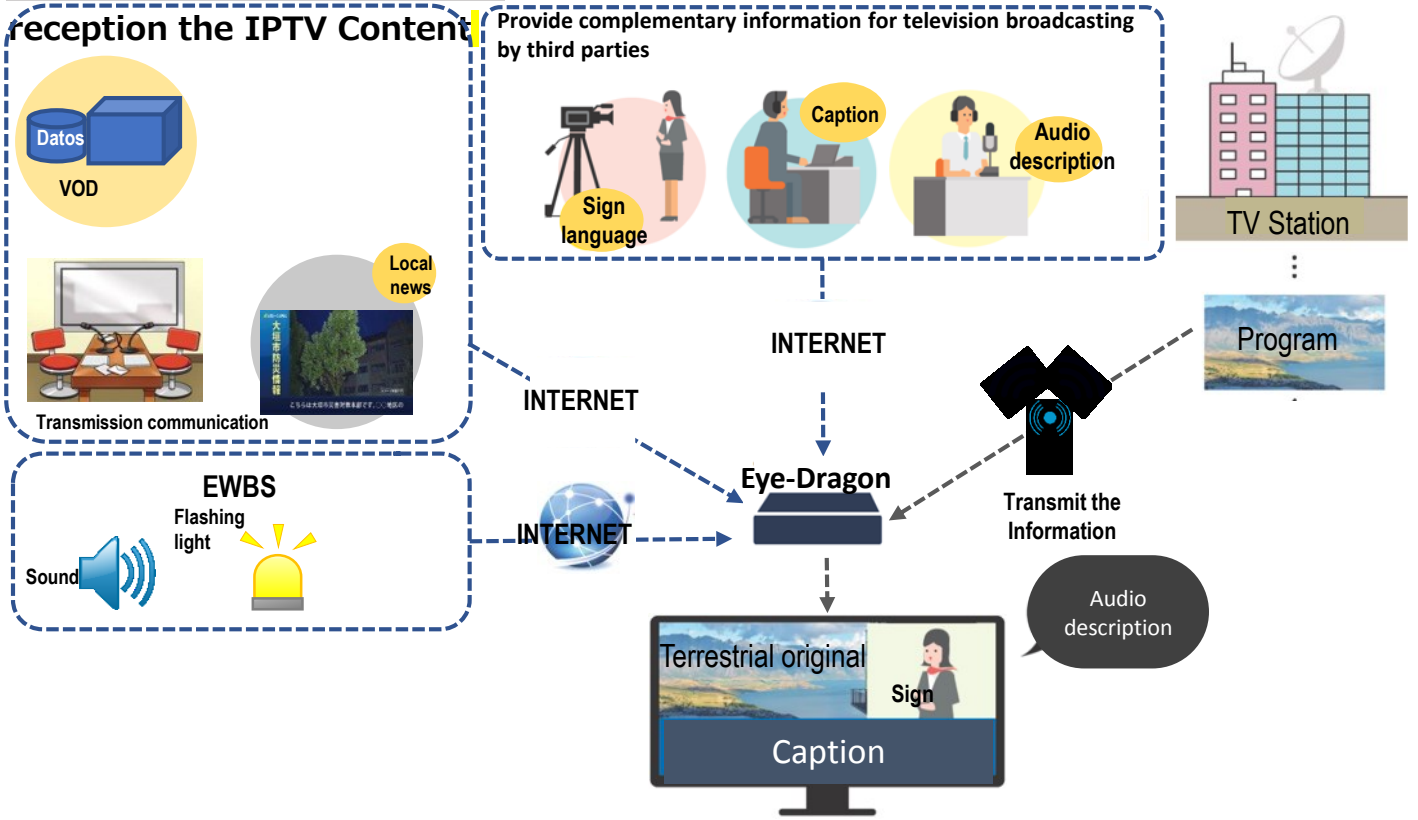

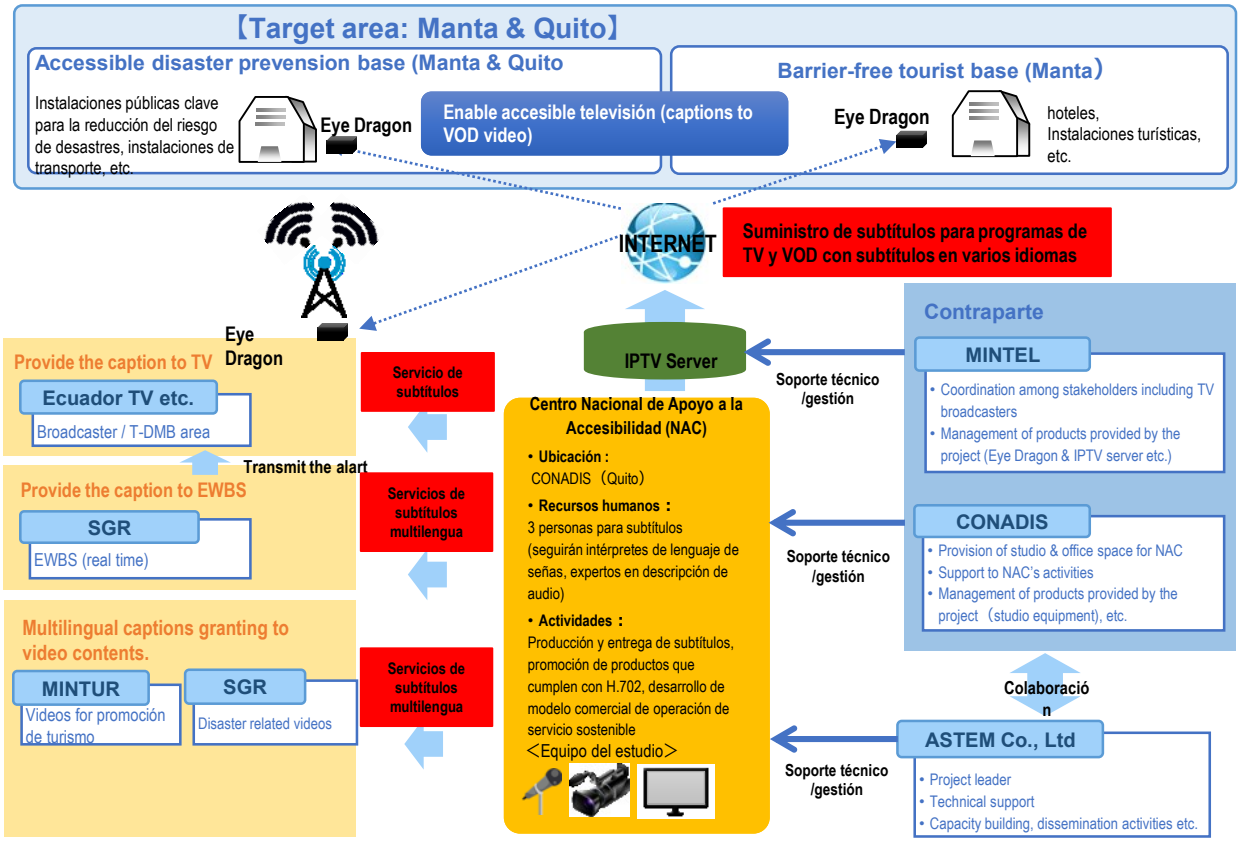
【Target area: Manta & Quito】
Accessible disaster prevension base (Manta & Quito
Instalaciones públicas clave para la reducción del riesgo de desastres, instalaciones de transporte, etc.
Eye Dragon
Enable accesible televisión (captions to VOD video)
Barrier-free tourist base (Manta）
Eye Dragon
hoteles, Instalaciones turísticas, etc.
INTERNET
Suministro de subtítulos para programas de TV y VOD con subtítulos en varios idiomas
Eye Dragon
Provide the caption to TV
Ecuador TV etc.
Broadcaster / T-DMB area
Transmit the alart
Provide the caption to EWBS
SGR
EWBS (real time)
Multilingual captions granting to video contents.
MINTUR
Videos for promoción de turismo
SGR
Disaster related videos
Servicio de subtítulos
Servicios de subtítulos multilengua
Servicios de subtítulos multilengua
IPTV Server
Centro Nacional de Apoyo a la Accesibilidad (NAC)
• Ubicación :
CONADIS（Quito）
• Recursos humanos :
3 personas para subtítulos (seguirán intérpretes de lenguaje de señas, expertos en descripción de audio)
• Actividades :
Producción y entrega de subtítulos, promoción de productos que cumplen con H.702, desarrollo de modelo comercial de operación de servicio sostenible
<Equipo del estudio>
Soporte técnico /gestión
Soporte técnico /gestión
Soporte técnico /gestión
Contraparte
MINTEL
• Coordination among stakeholders including TV broadcasters
• Management of products provided by the project (Eye Dragon & IPTV server etc.)
CONADIS
• Provision of studio & office space for NAC
• Support to NAC's activities
• Management of products provided by the project（studio equipment), etc.
Colaboración
ASTEM Co., Ltd
• Project leader
• Technical support
• Capacity building, dissemination activities etc.