

# PAST-TIMES



Moduuli 1 – Äänituotannon teoria

# Moduuli 1: Äänituotannon teoria

## Osa 1: Äänityksen historia

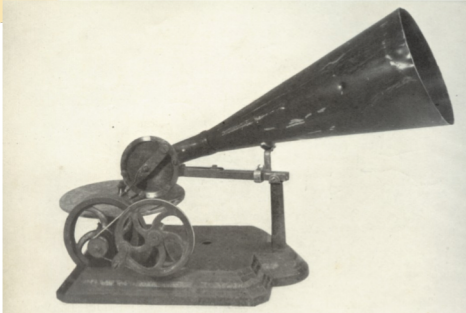
*Äänituotannon teoria*



# Mitä ääni/audio on? Käytämme ääntä?...



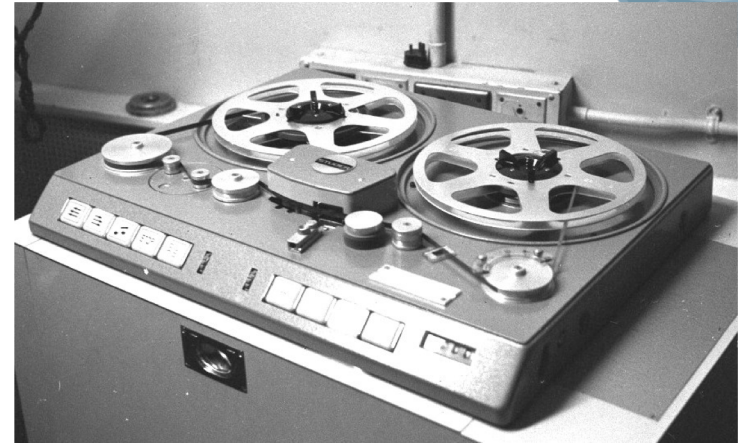
# Äänityksen historia



Akustinen  
aikakausi



Sähköinen  
aikakausi

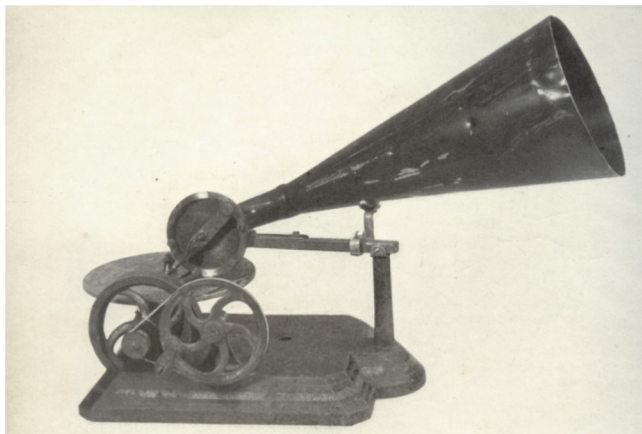


Magneettinen aikakausi



Digitaalinen aikakausi

# Akustinen aikakausi

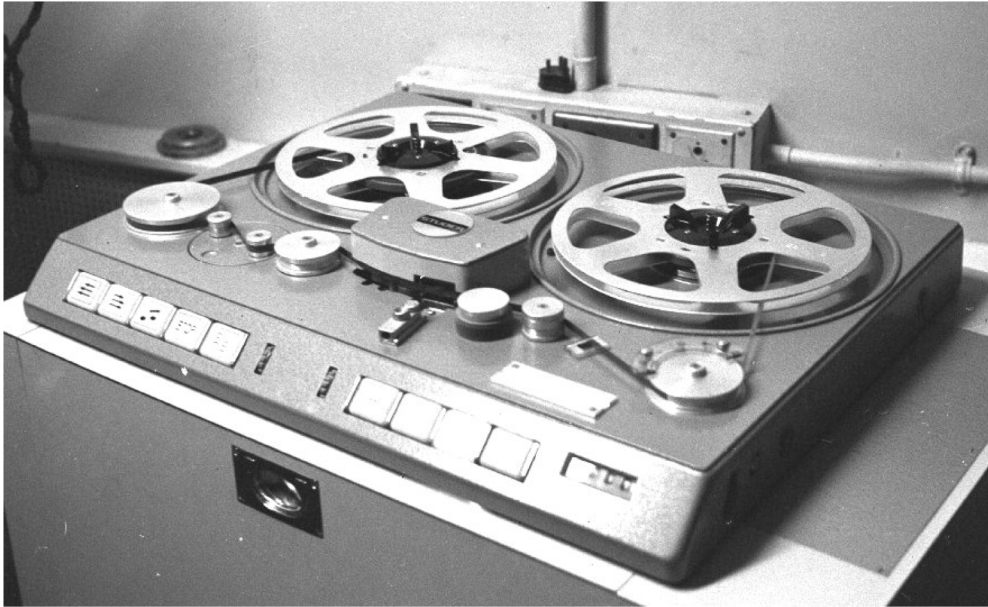




# Sähköinen aikakausi



# Magneettinen aikakausi



# Digitaalinen aikakausi



# Älypuhelimien äänenlaatu



# Moduuli 1: Äänituotannon teoria

## Osa 1: Mitä laadukkaaseen äänittämiseen tarvitaan

*Äänituotannon teoria*



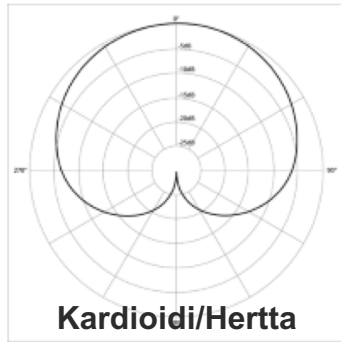
# Mikrofonit



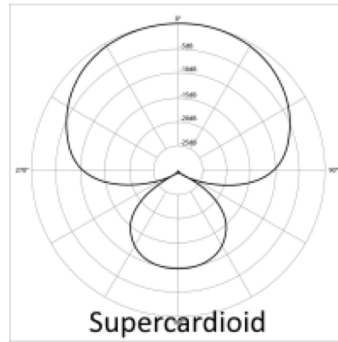
# Mikrofonityypit



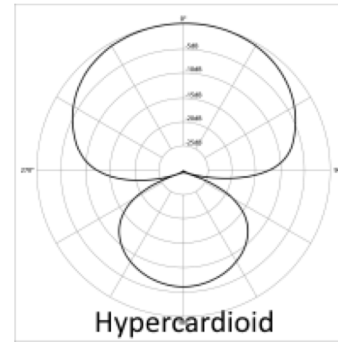
# Mikrofonin suuntakuviot



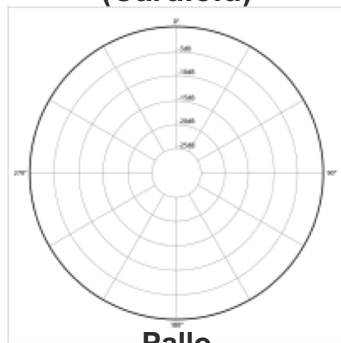
**Kardioidi/Hertta  
(Cardioid)**



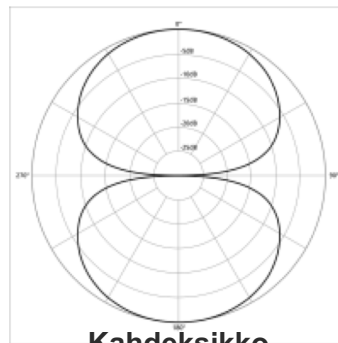
**Supercardioid**



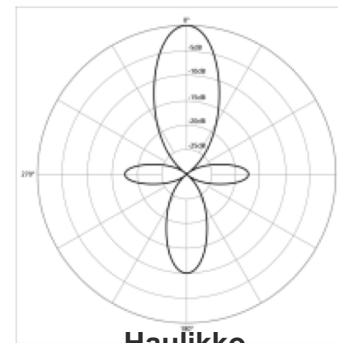
**Hypercardioid**



**Pallo  
(Omnidirectional)**

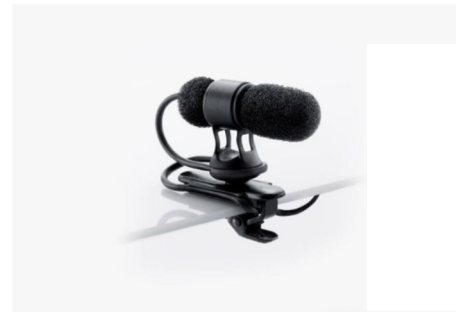
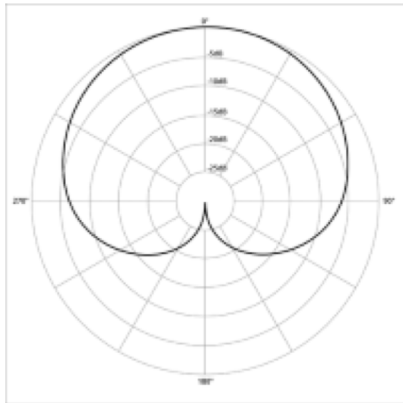


**Kahdeksikko  
(Figure-8)**



**Haulikko  
(Shotgun)**

# Kardioidi mikrofonit



# Kardioidi mikrofonien käyttö

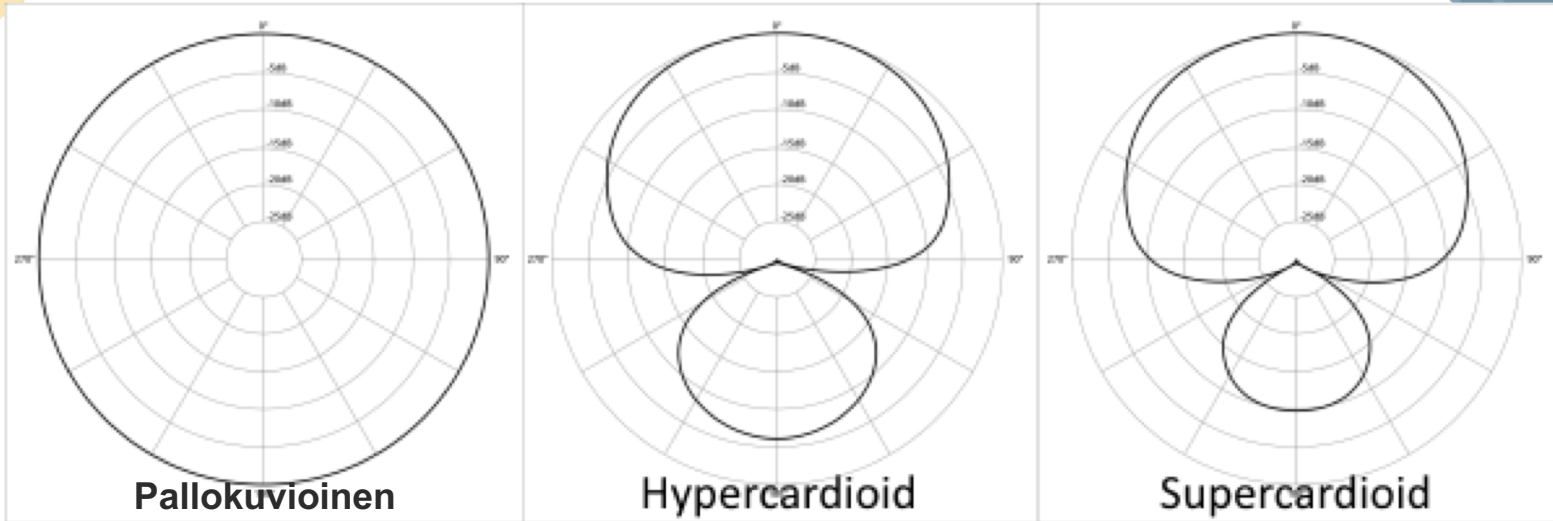




# Super/Hyper kardioidi ja pallokuviainen (omnidirectional) mikrofonit



# Kardioidimikrofonien erot



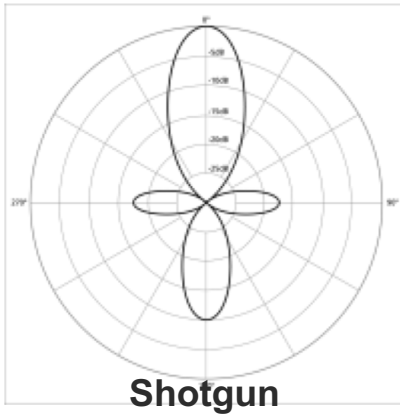
**Palkokuvioinen**  
**Omnidirectional**

**Hypercardioid**

**Supercardioid**



# Haulikkomikrofonit (shotgun)





# Lavalier-mikrofonit



# Ääninauhurit/kuulokkeet



# Moduuli 1: Äänituotannon teoria

## Osa 1: Halvat vaihtoehtoiset mikrofonit laadukkaaseen äänitykseen

*Äänituotannon teoria*

# Paras mikrofoni on se, joka on sinulla



# Huono äänenlaatu

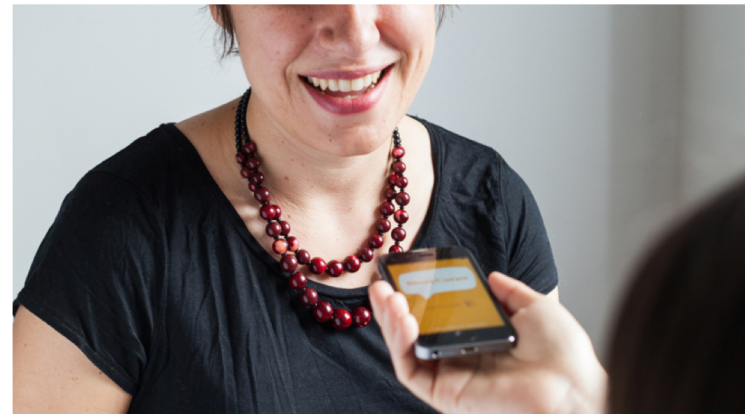


# Joitakin asetuksia...





# Ensimmäiset vaiheet

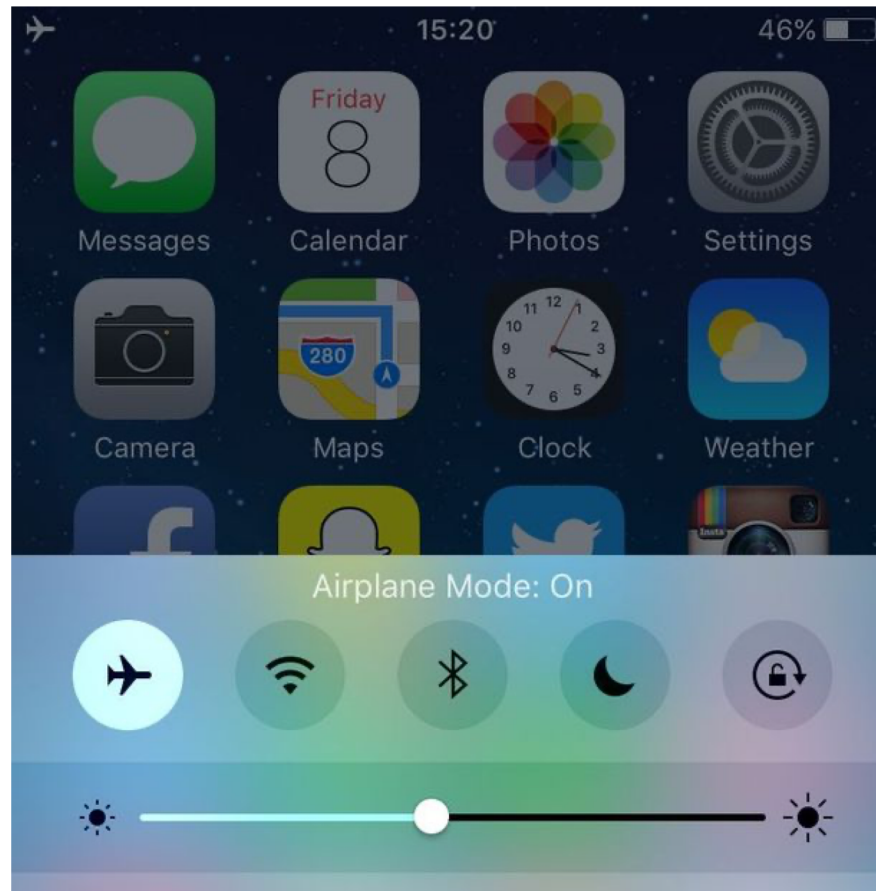


# Ympäristö





# Lentokonetila



# Lavalier-mikrofonit



# Haulikkomikrofonit



# Moduuli 2: Äänen jälkituotannon teoria

## Osa 1: Johdanto äänen editointiin

*Äänen jälkituotannon teoria*

# Äänen editointi

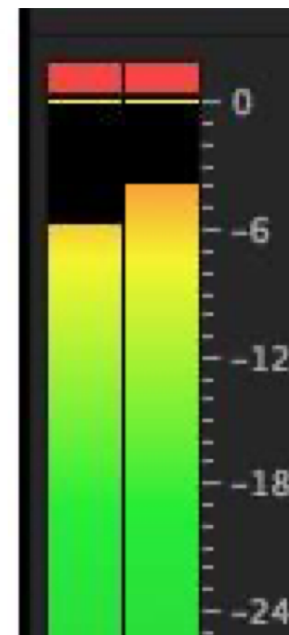
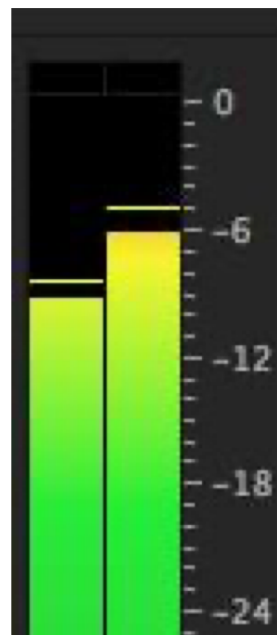


# Ilmaiset äänen editointiohjelmat



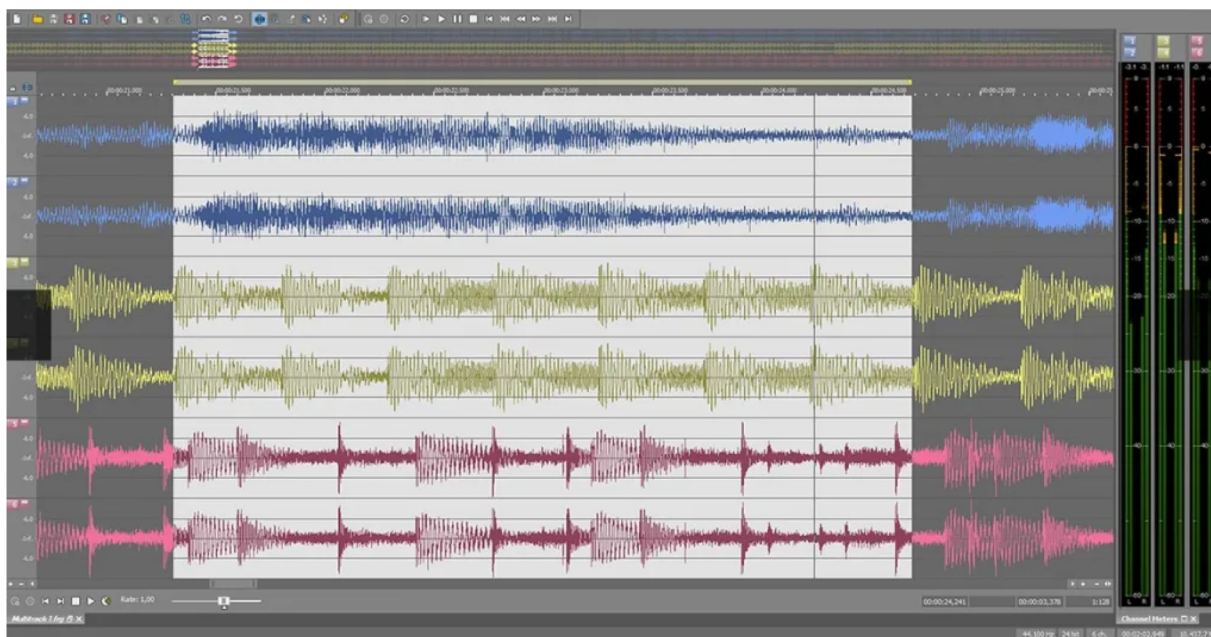
# Äänenkäsittelyn perusteoria

## Mikä tekee hyvän, viimeistellyn äänimateriaalin





# Mahdollisuudet ja rajoitukset



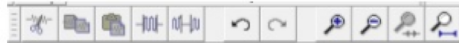


# Perustyökalut

## Basics of Audacity

### ● Editing Toolbar

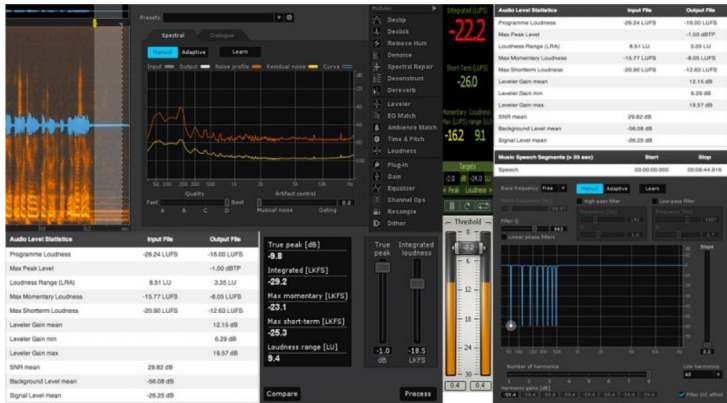
- Cut
- Copy
- Paste
- Trip Outside Selection
- Silence Selection
- Undo
- Redo
- Zoom In
- Zoom Out
- Fit selection in Window
- Fit project in Window



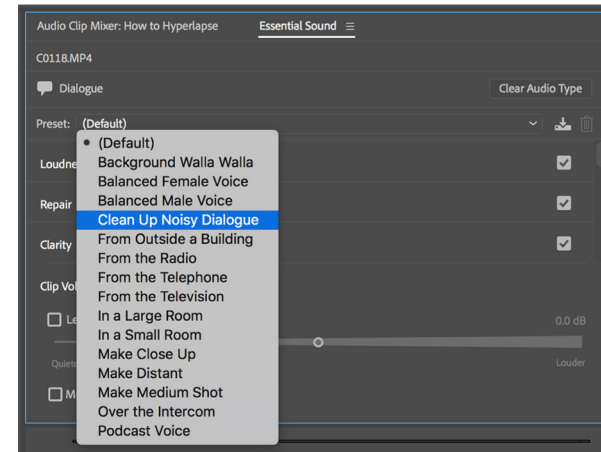
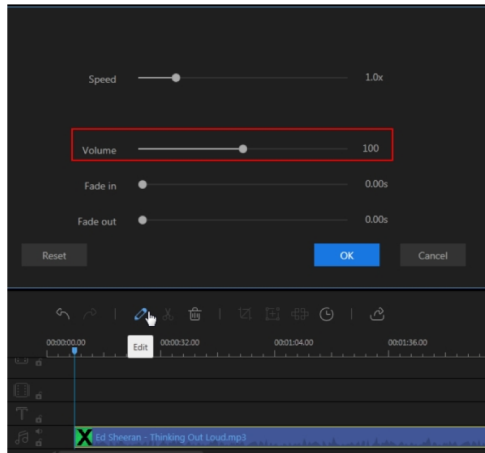
The Editing Toolbar provides many shortcuts to common editing tools used to modify audio clips.



# Ääniefektit



# Edistyneet ääniefektit



# Ammattimaisen äänen editointiohjelmat



# Moduuli 2: Jako ja levitys

## Osa 2: Alustat äänitiedostojen jakamiseen

*Jako ja levitys*



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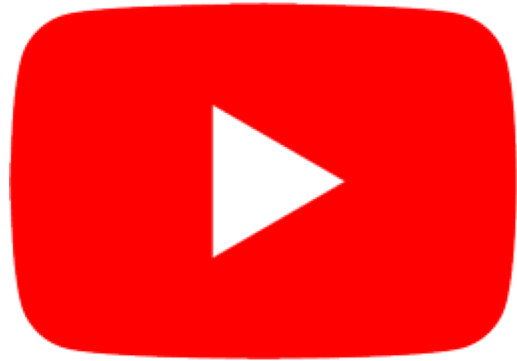
## SOME OF THE DISTINGUISHED PUBLISHERS ON VOICE REPUBLIC:



# Audio Mack



YouTube Music



YouTube

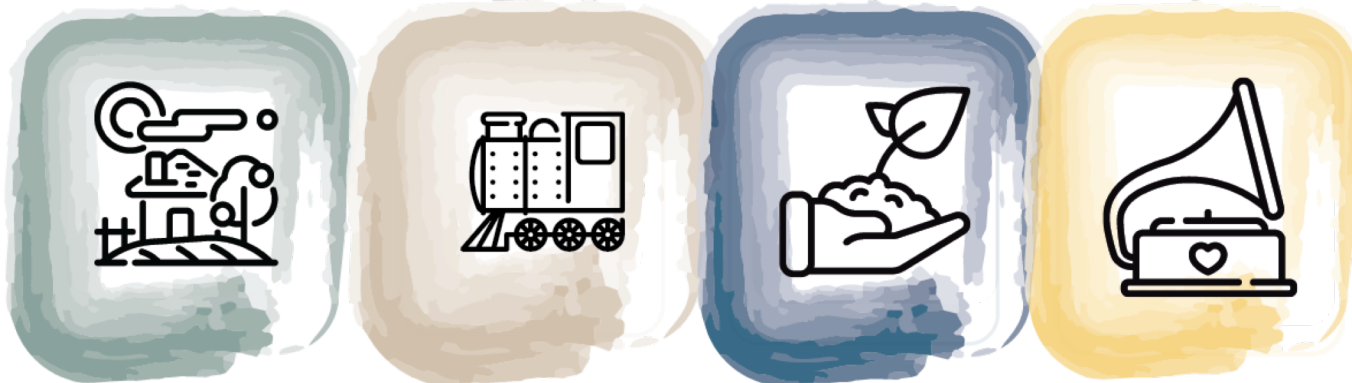


# Combine





# PAST-TIMES



inn<sup>o</sup>ventum



INNEO



S V E B ■  
F S E A ■



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