

# Making Music without Threshold

Matti Ruippo <u>matti.ruippo@tamk.fi</u> URL: <u>http://ruippo.fi/baku.pdf</u>



# Learning Is Changing

Computer class 60 years ago

Background

applications are no longer locally in the computer, services are, instead, in the Internet and we'll access them via browser

@data resources and documents are there, too

@externalized technical support

@ever growing variety of resources

provided by scientific societies, commercial companies, multimedia artists, enthusiasts...

one has to filter resources

simple and explicit, better for pedagogical uses

Solution of the second seco

tools for several teaching positions and needs
 support for pluralistic attitude in music education

@emphasis on communities

communities are easily integrated while both tools and products are in the net

modern music education benefits the means: make together, publish to each other

#### Pros in the Cloud

immediate access to the tools, no downloading and installation

Icences, no updating, no backup copying

Tools work everywhere where is a computer and Internet access

Swork similarly on different platforms and operating systems (with some exceptions), cont'd.

#### Pros in the Cloud

onormally the use is free at the basic level

integrated support for communities (publishing, delivery, collaboration)

@easy access to (nearly) everyone

empowerment-as-enablement: tools which would not be possible to use otherwise (virtual instruments, orchestras, musicians); enable processes like working in audio laboratory (cont'd)

#### Pros in the Cloud

Sempowerment-as-enablement: enables one's own output, cultural production like composing, arranging, playing

#### Cons in the Cloud

Some of access to Internet, operations depend on the bandwidth in use

øpossible needs of plug-ins

browser incompatibilities

@registrations, sign-ups

© commercial intrigues functions

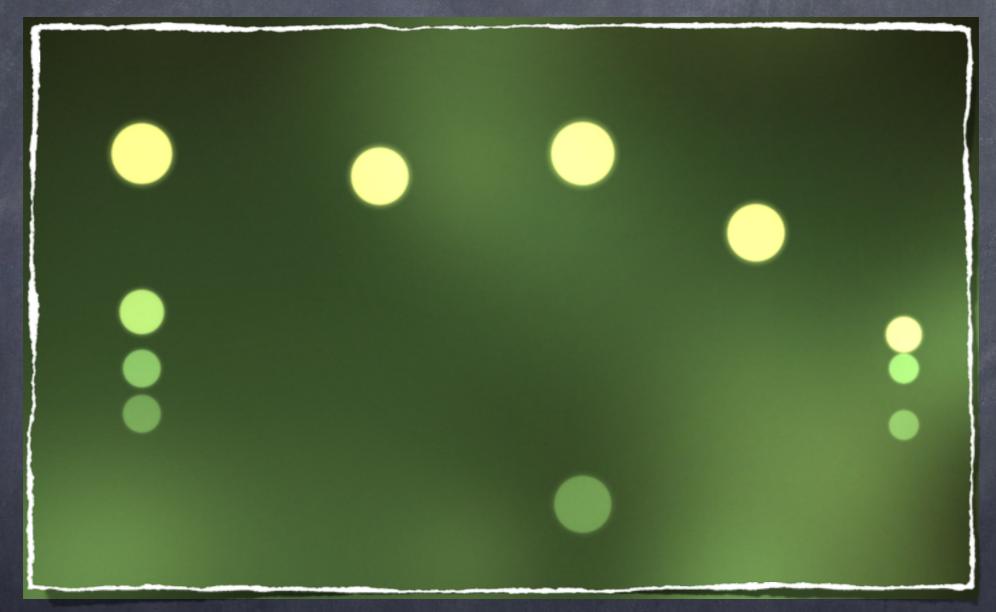
## Cons in the Cloud

application appears, application disappears
 may be labile
 no localization

No Threshold With Keyboard Fill the Grid The Ambience & Groove Notation Loops & Sequencing Creating & Collaborating

# No Threshold

## Touch Pianist



http://touchpianist.com

# Virtual Drumming



https://www.virtualdrumming.com

## Gregorian Voices

# <section-header>

Now playing...

Gregorian voices

#### Viktor NV-1

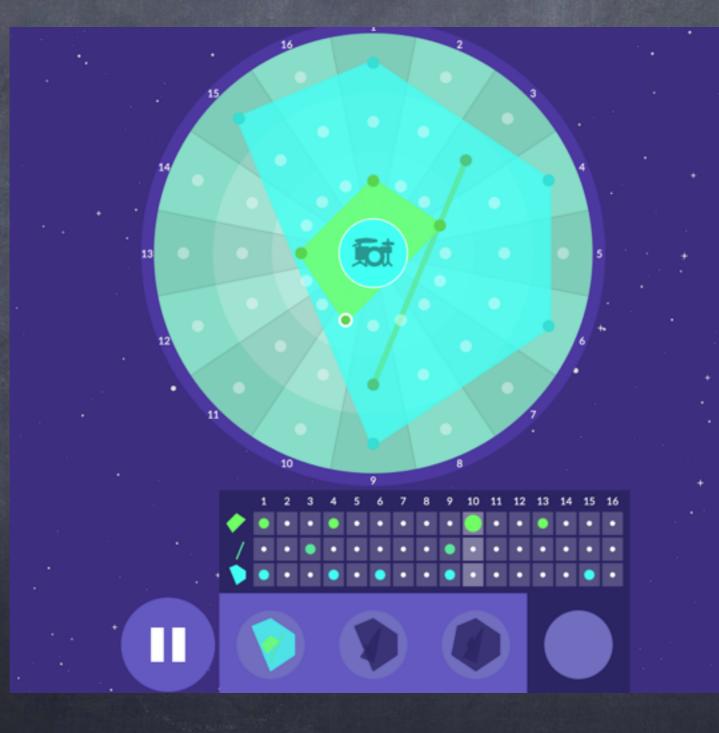


http://nicroto.github.io/viktor/

## Incredibox



## Groove Pizza



https://musedlab.org/groovepizza

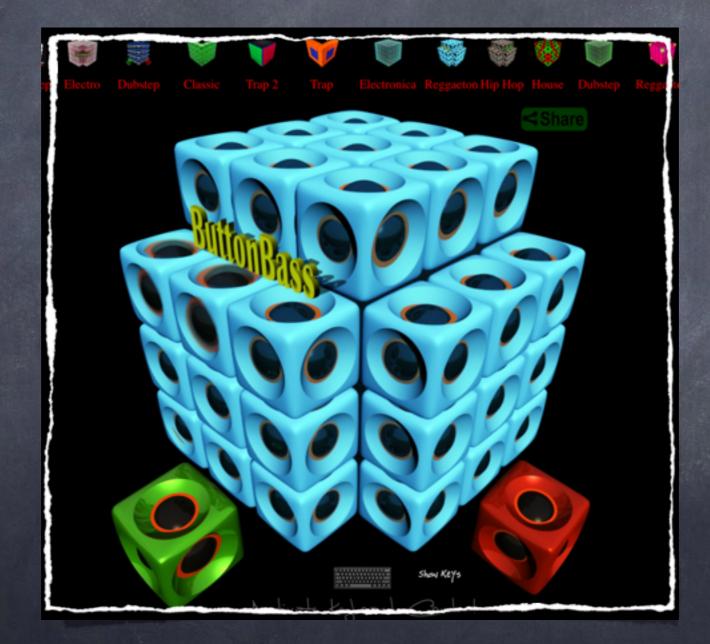
# With Keyboard

## Tony-B machine



http://www.tony-b.org

## Button Bass



http://www.buttonbass.com/index.html

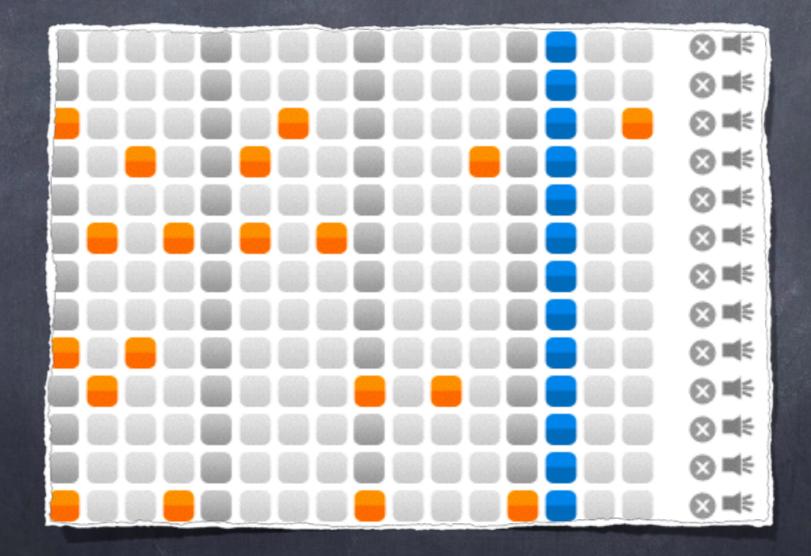
## Fill the Grid

## Ableton education

Drums	Bass	Chords	Melodiés

https://learningmusic.ableton.com

## Beatlab



http://www.beatlab.com/

#### The Ambience & Groove

## Ambient Mixer



http://www.ambient-mixer.com/

## YouDJ

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Q Search	PLAY Fun Aigh!	PLAY	Fx 2	PLAY Speaker Dream
🚖 Hot Songs	PLAY Fun Augh!	PLAY	Intro 1	PLAY Speaker Gol
Recordings	PLAY Fun Crash	PLAY	Intro 2	PLAY Speaker Heh Heh
<ul> <li>Favorites</li> </ul>	PLAY Fun Crow Dohh	PLAY	Intro 3	PLAY Speaker Here we go
	PLAY Fun Dog Growl	PLAY	Intro 4	PLAY Speaker I Can Feel It
Sampler	PLAY Fun Donkey	PLAY	Intro 5	PLAY Speaker I Know
Online DJs (476)	PLAY Fun Evil Laugh	PLAY	Intro 6	PLAY Speaker Im Your DJ 1
imes Folders	PLAY Fun Explosion	PLAY	Intro 7	PLAY Speaker Im Your DJ 2
Dance Deep House	PLAY Fun Glass Crash	PLAY	Intro Countdown	PLAY Speaker Im Your DJ 3
DnB Dubstep Hiphop	PLAY Fun Hydraulic Motor	PLAY	Intro THX	PLAY Speaker Lets Go
Techno Progressive	PLAY Fun Miaow	PLAY	Scratch Ah Yeah	PLAY Speaker Oh My God
Electro Trance	PLAY Fun Moto Crash	PLAY	Scratch Basic	PLAY Speaker One Two Three Four
	PLAY Fun Phone	PLAY	Scratch Hey DJ	PLAY Speaker Pump Up The Volume
	PLAX Sun Pilrachu	PLAY	Scretch HipHop	Strades Ret Very Hopda Ha

https://you.dj

# Notation

# Noteflight



http://www.noteflight.com/

# Loops & Sequencing

## JamStudio

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	Dm	] D	Am	Am	Em	A Am A# A#m
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	G	D	D	G		C Cm
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			201	✓ Loop Page	Drums	Sit Back
ТЕМРО 89		100		Loop Page	ROCK	Crashin Poppy
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	Drums. Ja:			COUNTR	v / bouncy ball	
	Bass.Gall	op onvertible	$\neg$		March Silk	
	EGuitar.D				Groovin	
		lean and Di	rty		Slip N Slide	
	Piano.Tita					Sideshow
	EPiano.Lu	ttaby				Big Top , Trot
					A.E.V	Cleopatra
			-	. Se		Dallas

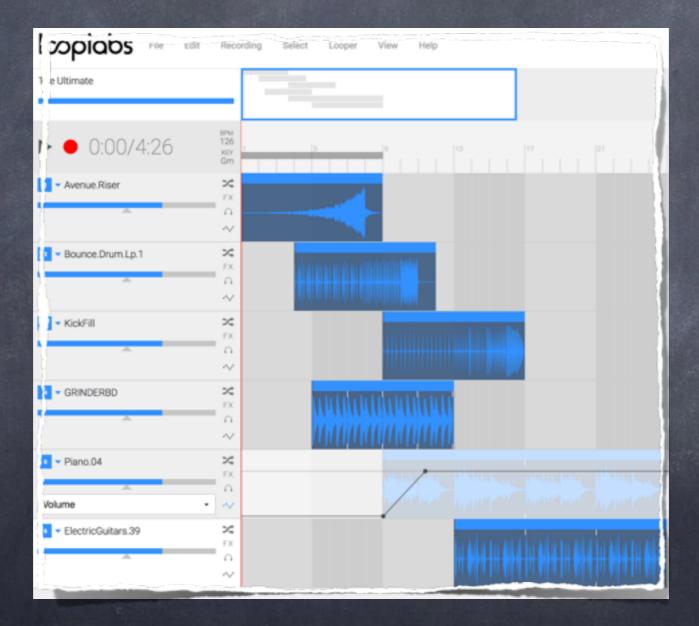
http://www.jamstudio.com/Studio/indexStudio.htm

## Sound Infusion



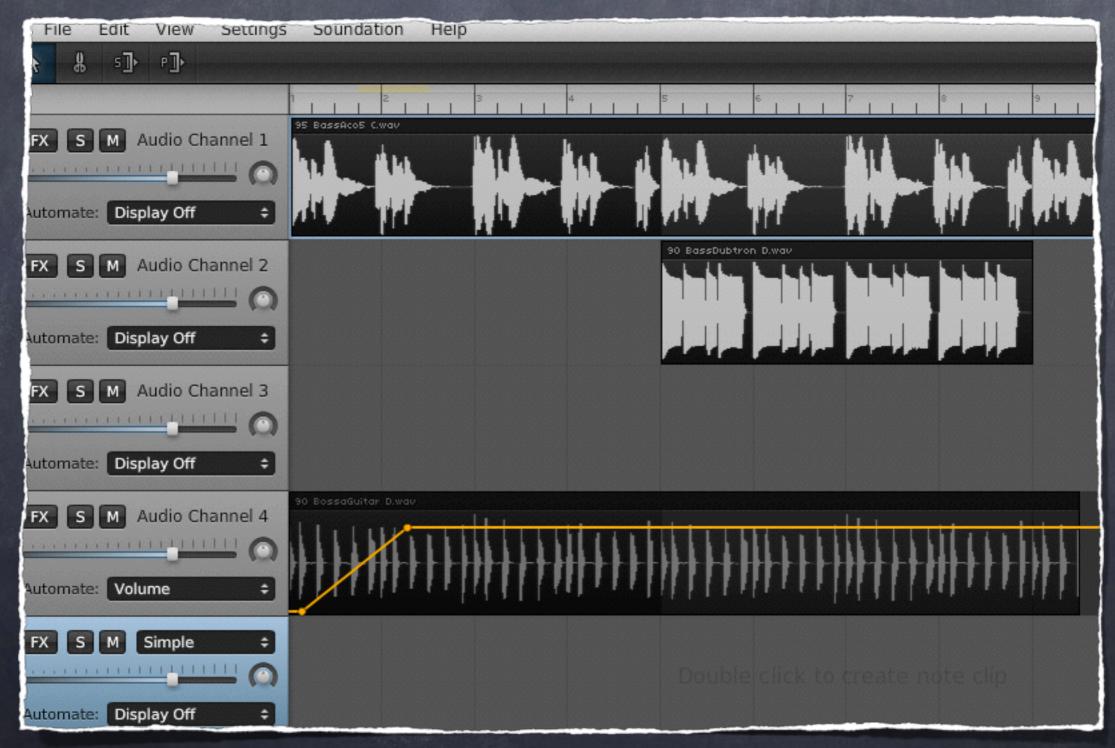
https://soundinfusion.com.au

# Looplabs



https://www.looplabs.com/studio/

## Soundation



http://soundation.com/studio

#### Audio Sauna



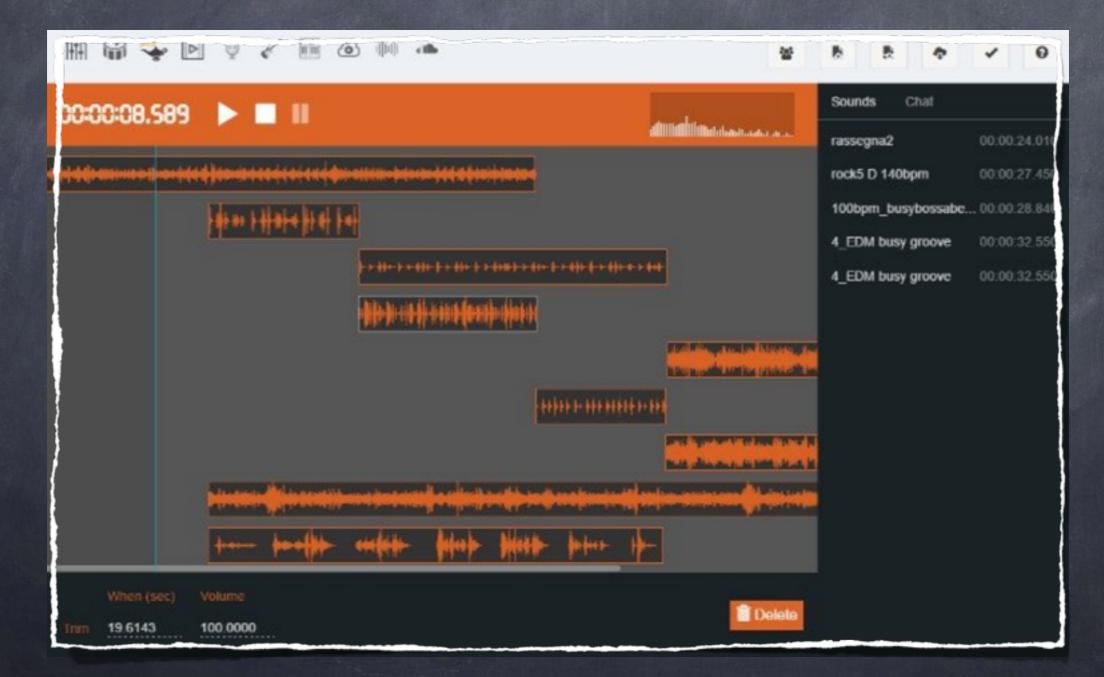
## Audiotool



http://www.audiotool.com/

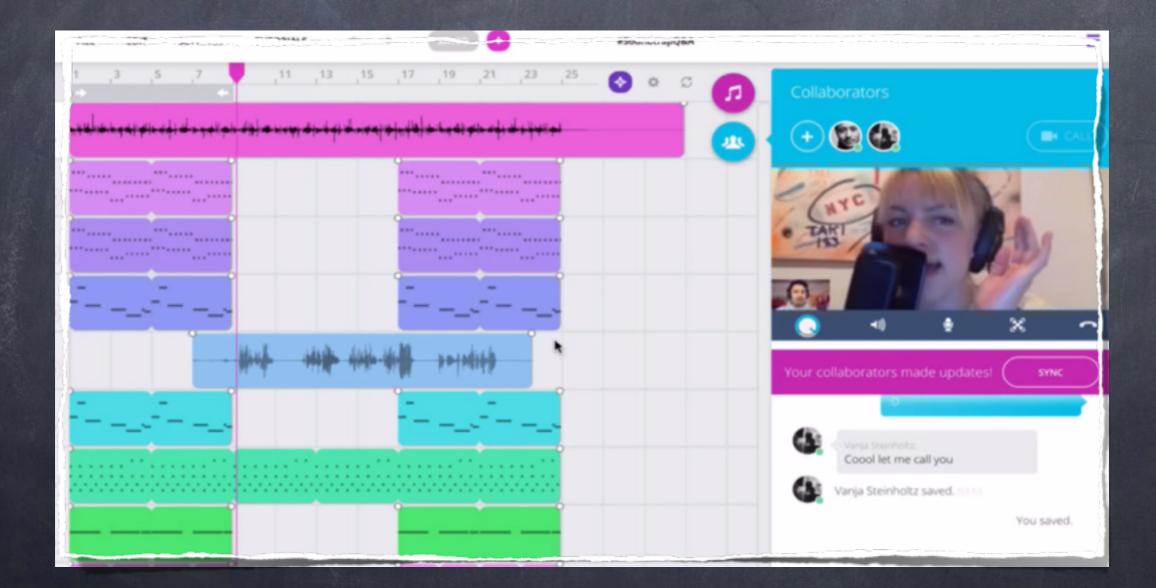
# Creating & Collaborating

## Snapjam



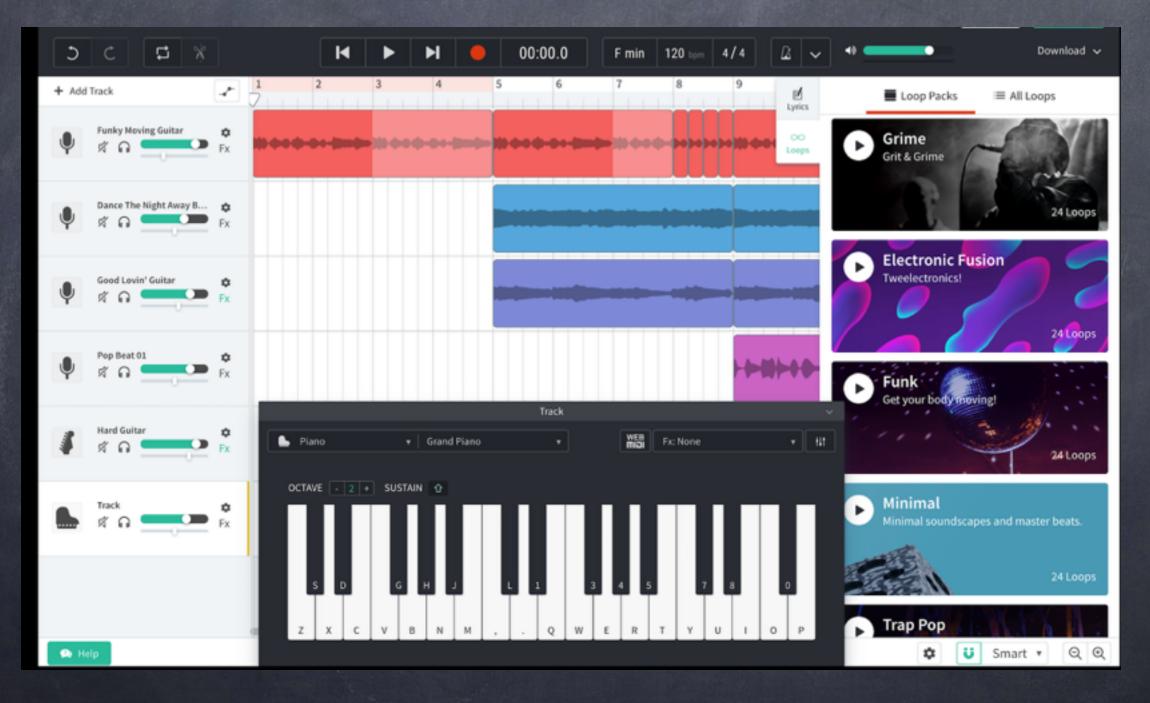
https://www.snapjam.co

# Soundtrap



https://www.soundtrap.com/

## Bandlab



https://www.bandlab.com/

