CONSTRUCTION REVERSIBLE

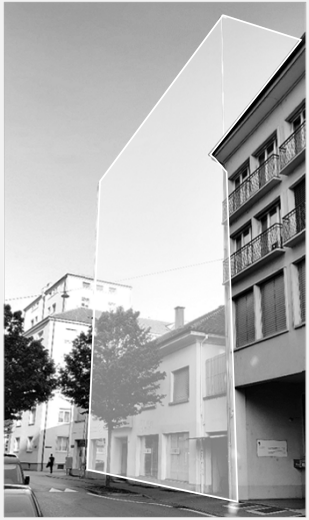
Exemples de structures et enveloppes bois

Corentin Fivet, Prof. d'Architecture et de Conception des Structures
Célia Küpfer, Architecte, doctorante

contexte

obsolescence du bâti

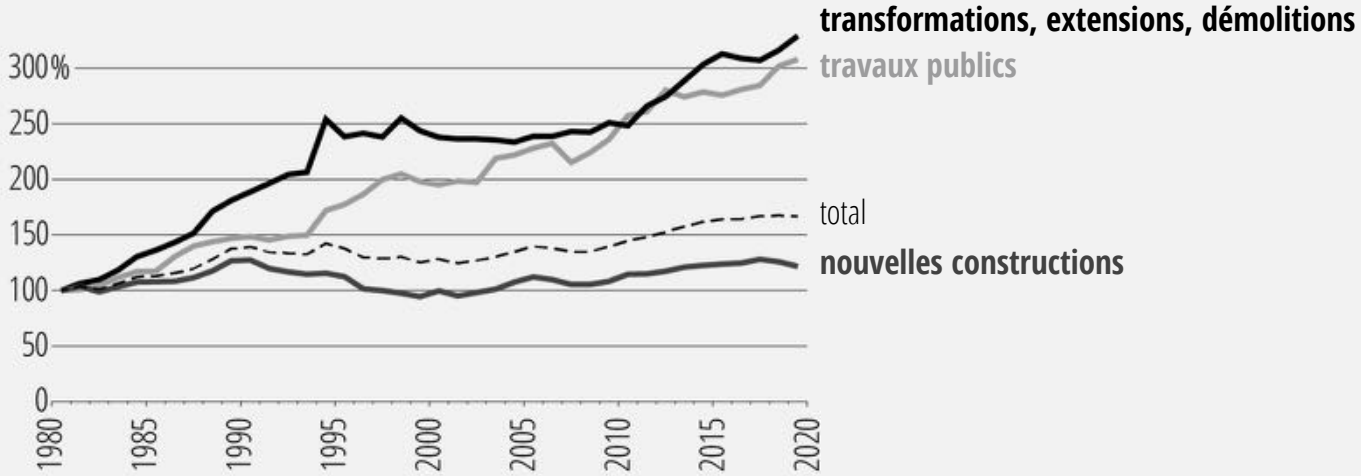
1970-1980



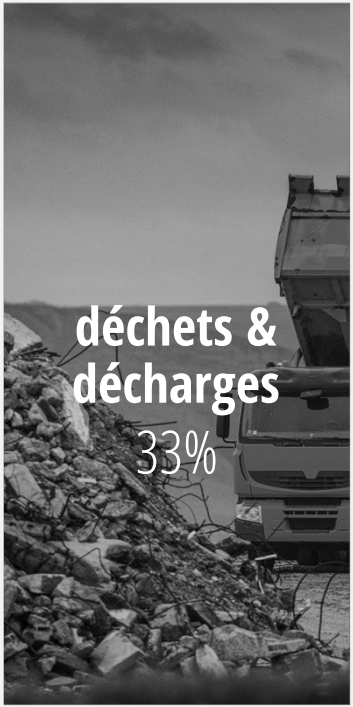
1920-1945

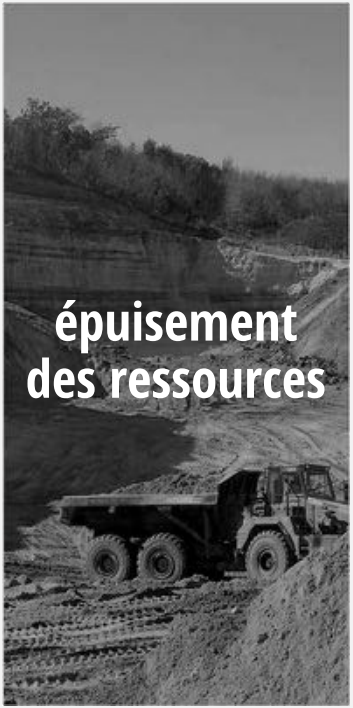
1960-1970

génération de déchets perpétuelle

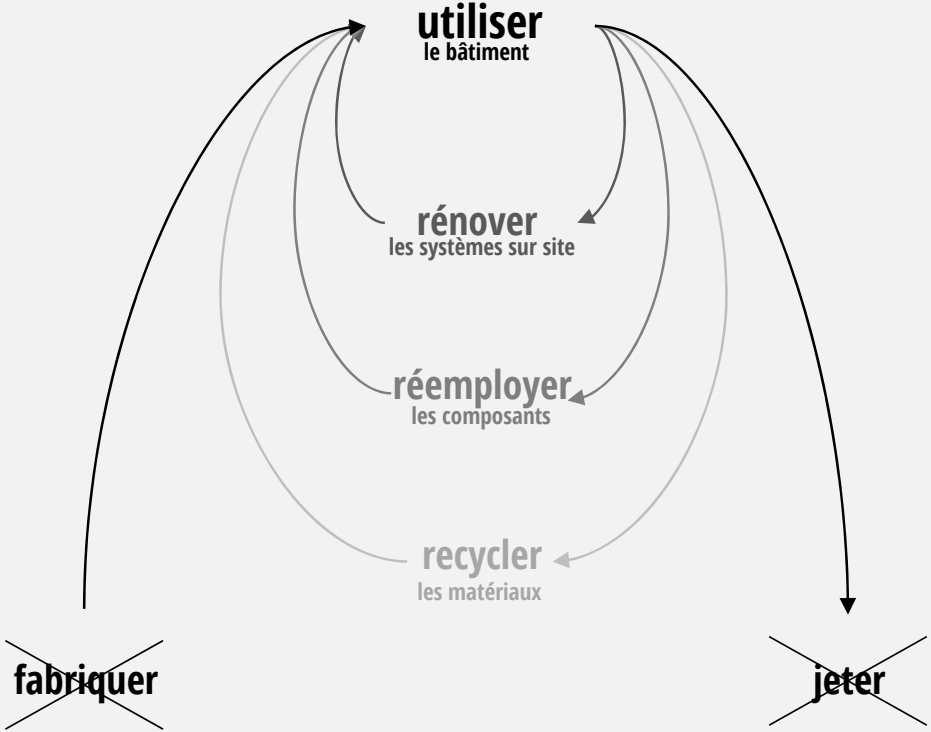


pas de planète B



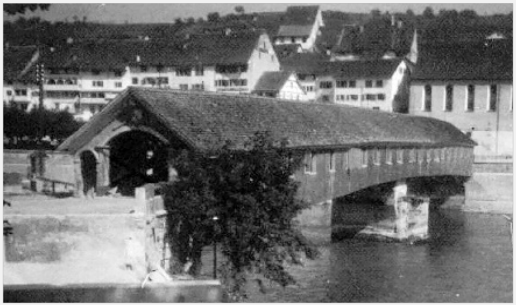


économie circulaire

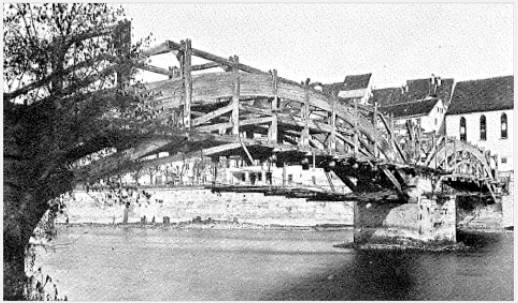


le réemploi en architecture

1810

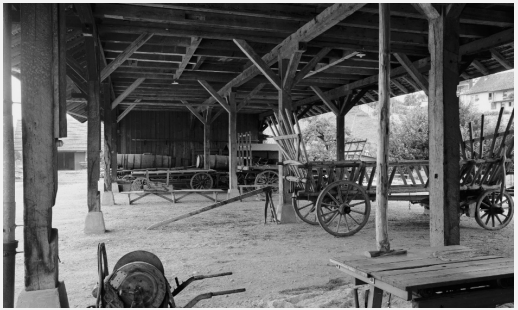


1919



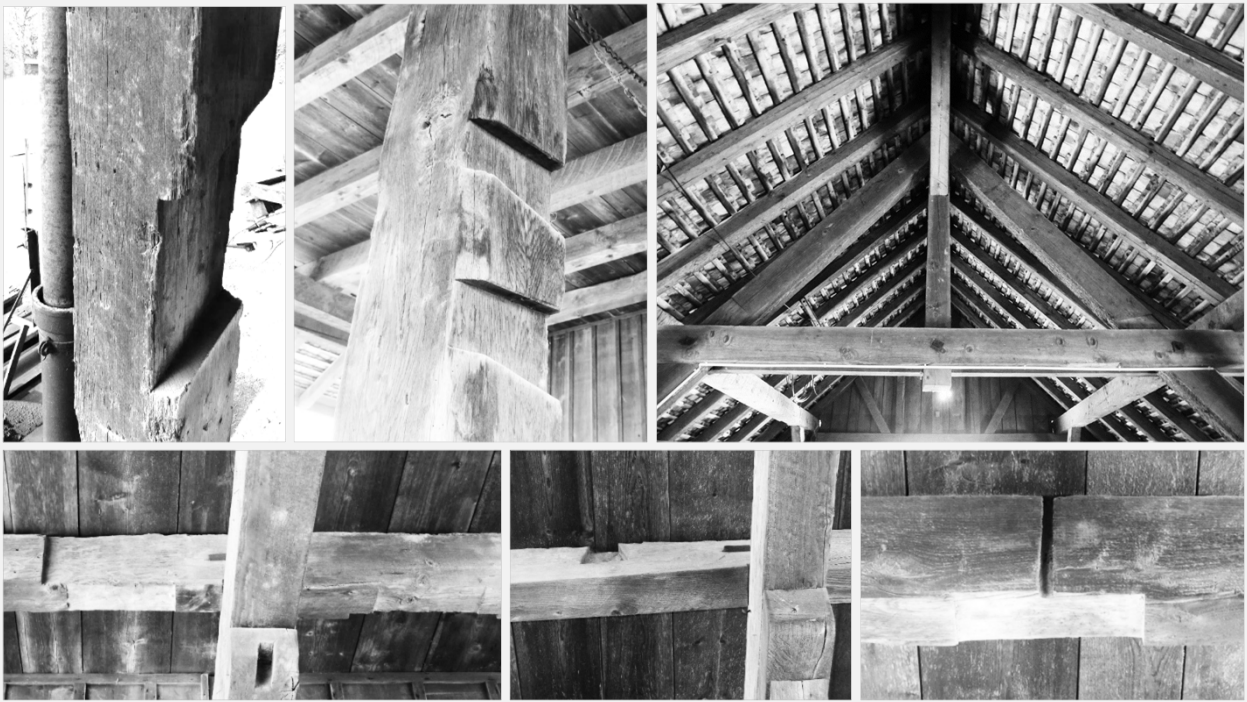
Eglisau, ZH

Rheinau, ZH

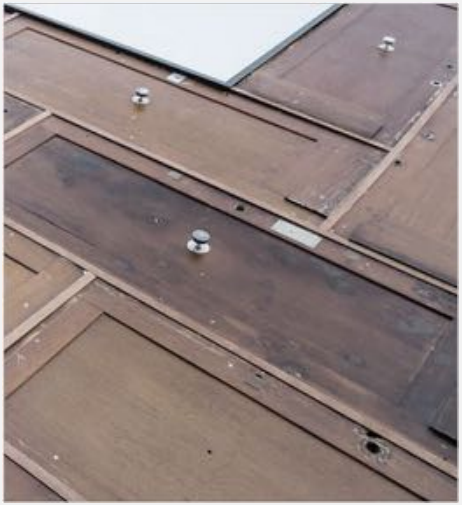


1920

2019

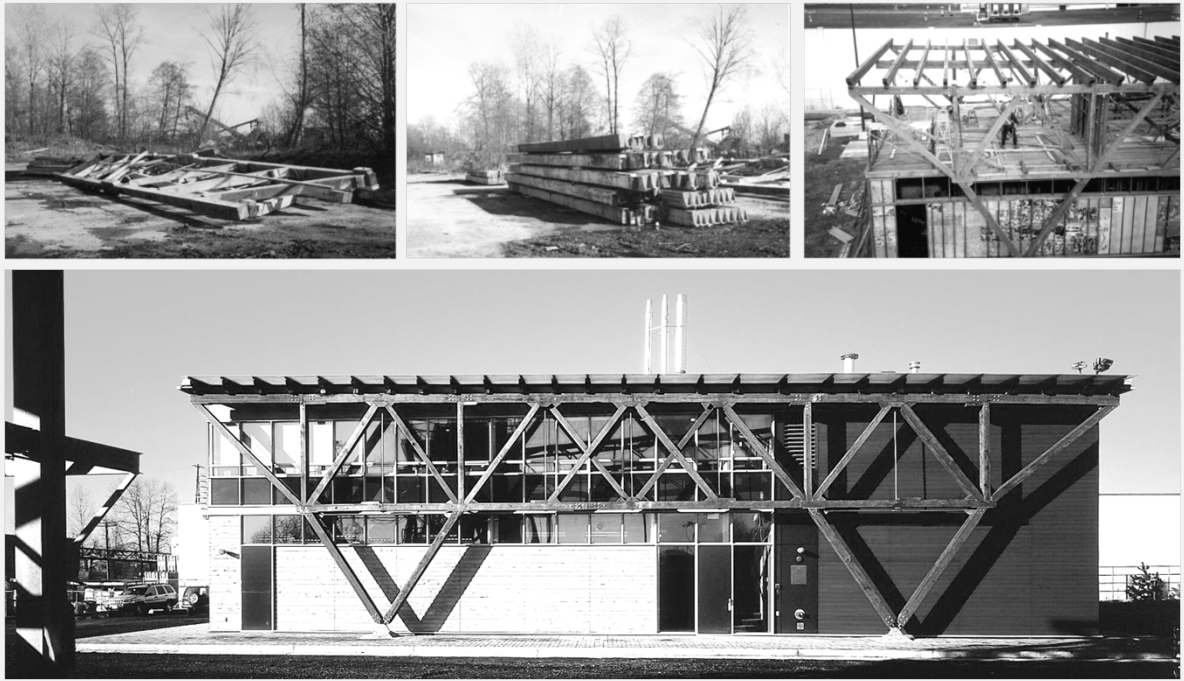


risque de downcycling prématuré



risques de « transfert de pollution »

risque de surcoûts



le réemploi peut-il être de nouveau un acte banal?

Structural Xploration Lab

et les anciens post-doctorants:

- Jan Brütting
- Catherine De Wolf
- Endrit Hoxha
- Sofia Colabella

http://**sxl.epfl.ch**

déconstruction sélective
construction réversible
Office fédéral de l'environnement OFEV
smart living lab
EPFL

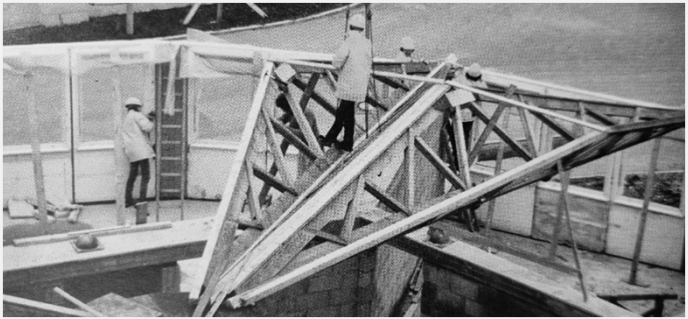
déconstruction sélective

retarder le broyage

de poutres… à cadre de fenêtre

de poutres… à treillis parasismiques

opportunisme et contraintes



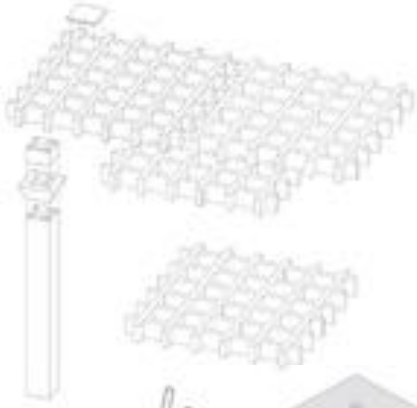
Ecole Christian-Morgenstern, Reutlinger, Peter Hübner, 1985

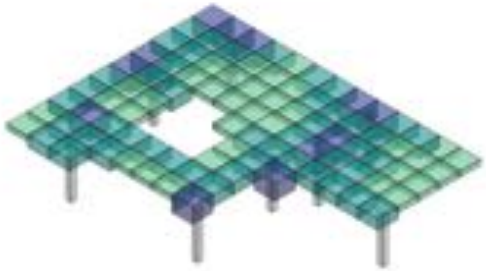
distance critique

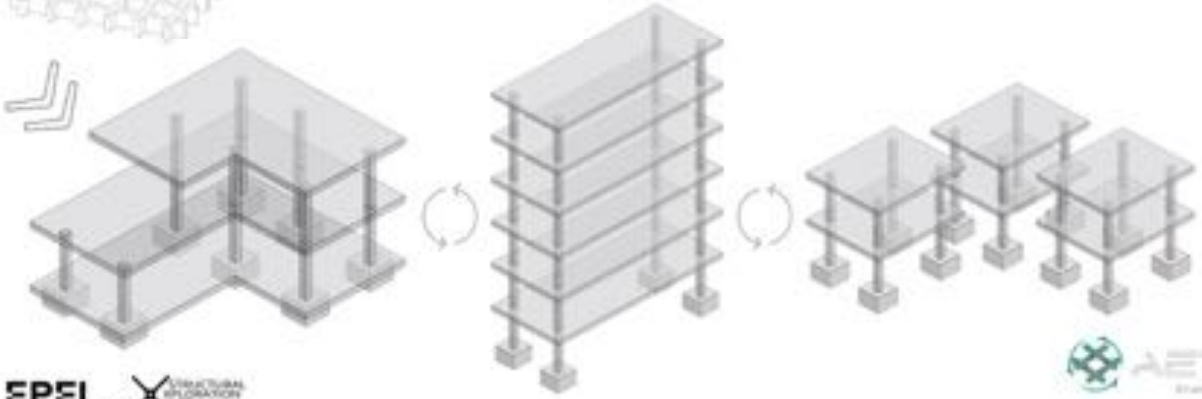
construction réversible

Hotel constructoin, Zhejiang Province, China, 2017

une dalle – plusieurs utilisations

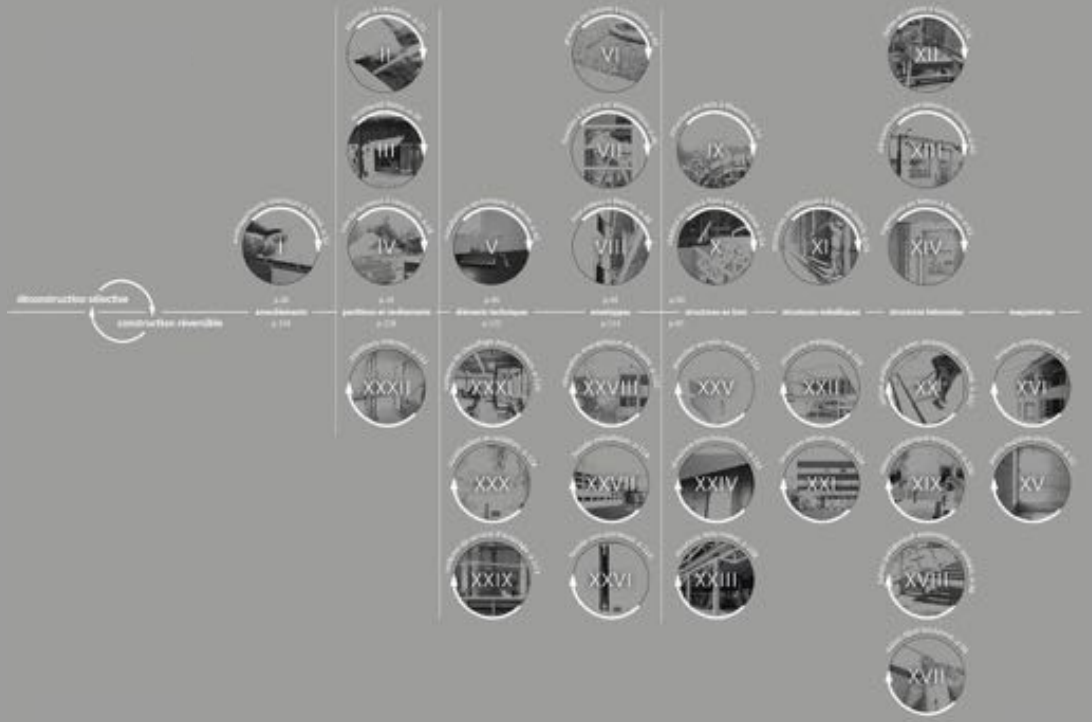






une dalle – plusieurs utilisations

AETERNUM
Enabling circular buildings


déconstruction sélective
construction réversible
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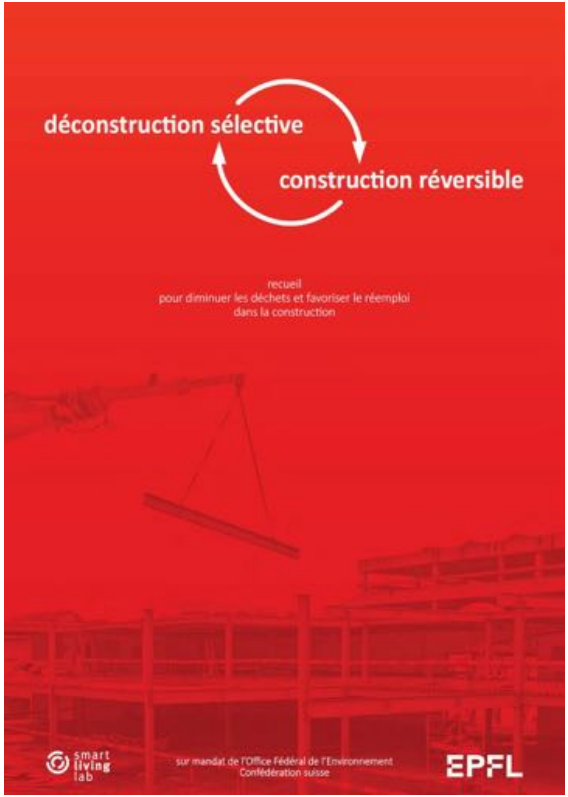
XXXII

https://sxl.epfl.ch/selective-deconstruction-reversible-construction

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

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