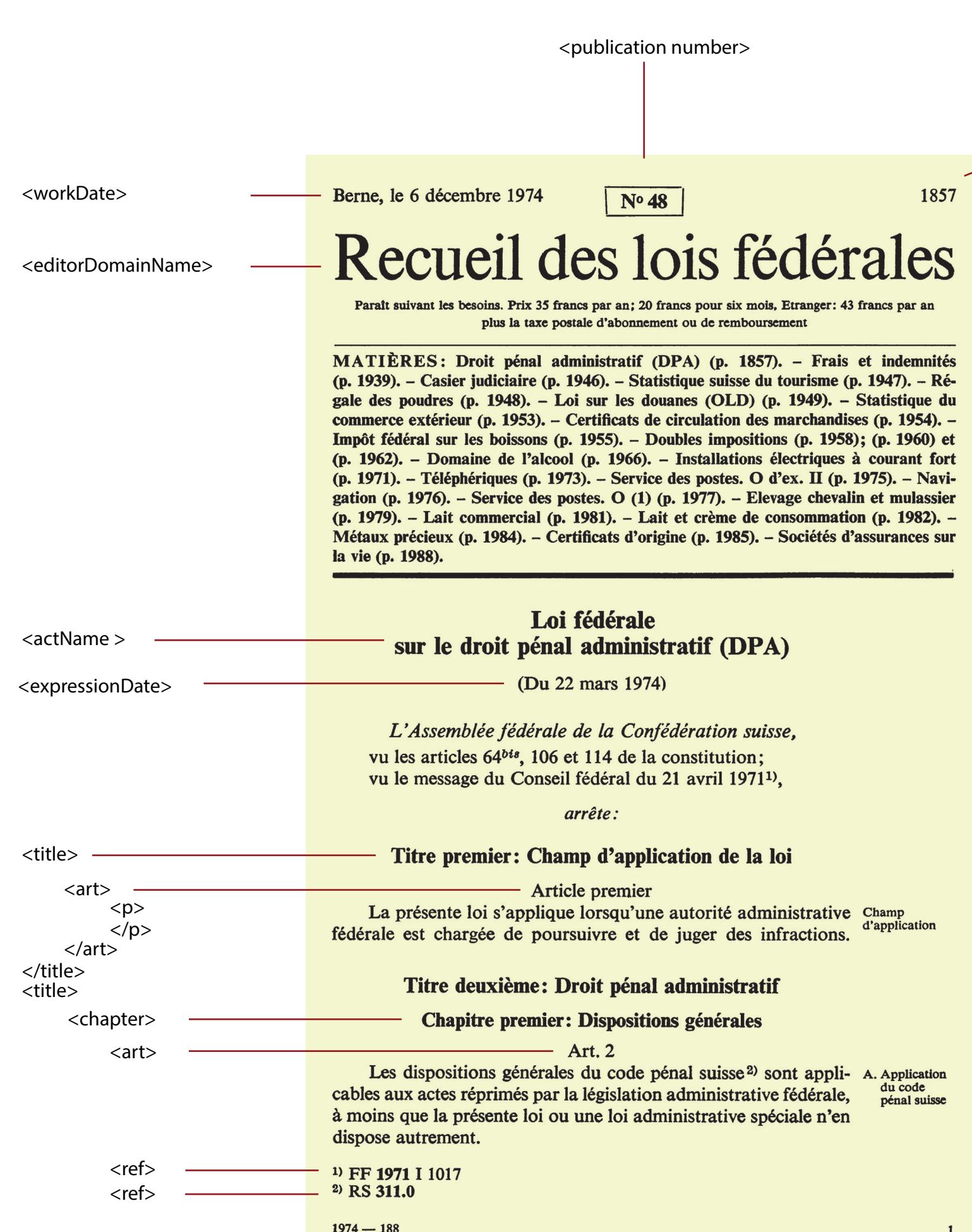
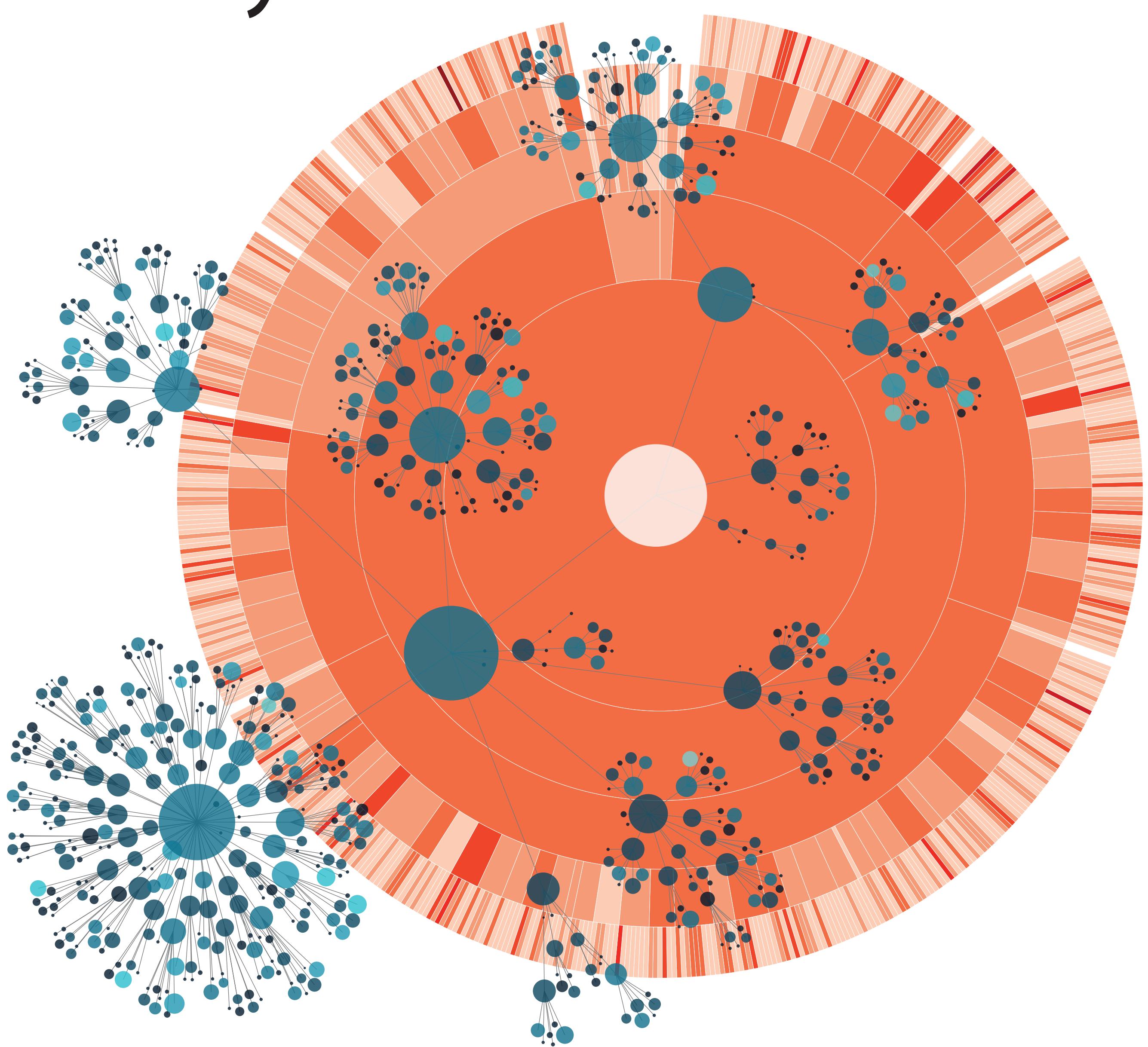


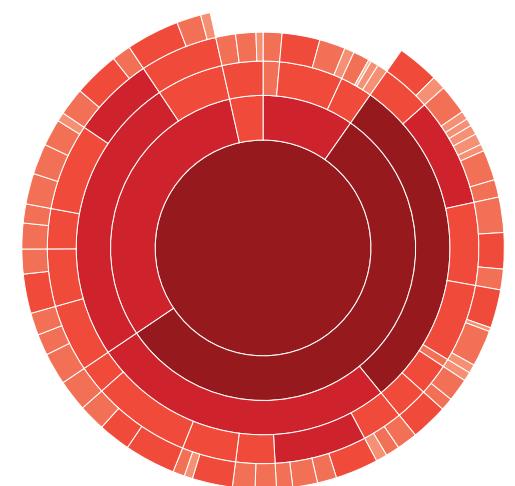
# Explorations in Digital History



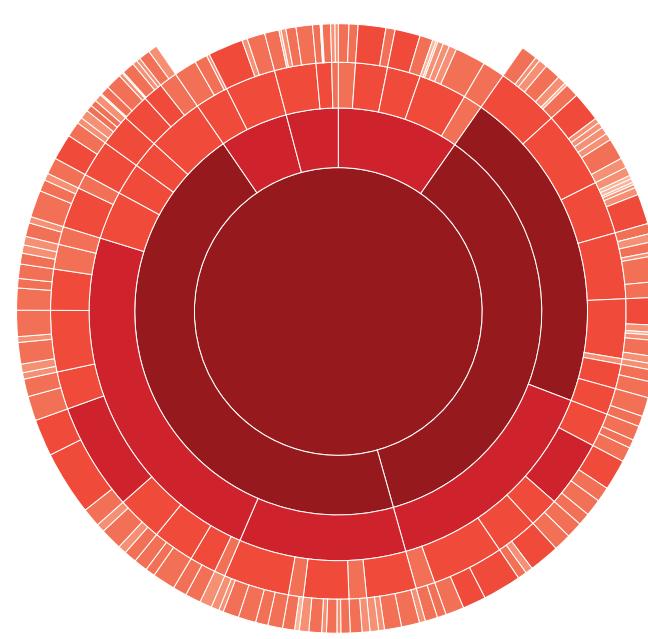
**Scanning, OCR and machine-trained field recognition turns a written law into an Akoma Ntoso XML tree structure, visualised with a force directed layout or a circle partition layout**



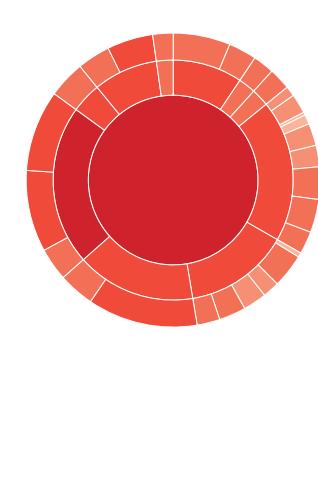
Bundesgesetz über Kartelle und ähnliche Organisationen  
20. Dezember 1962 12596 signs



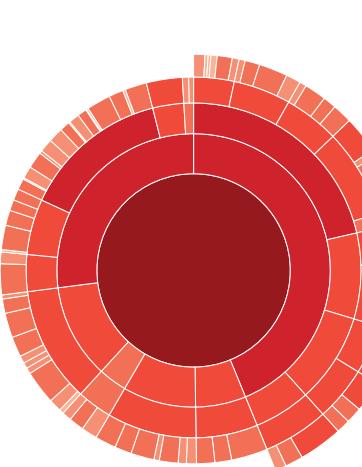
Bundesgesetz über Kartelle und ähnliche Organisationen  
20. Dezember 1985 22405 signs



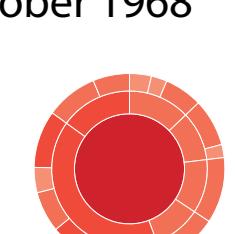
Bundesgesetz über die Rechtskraft der bereinigten Sammlung der Bundesgesetze und Verordnungen für die Jahre 1848 — 1947 und über die neue Reihe der Sammlung  
12. März 1948 4'678 signs



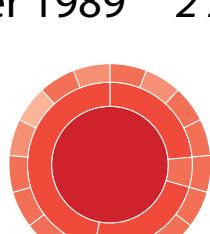
Bundesgesetz über die Gesetzesammlungen und das Bundesblatt  
21. März 1986 10'118 signs



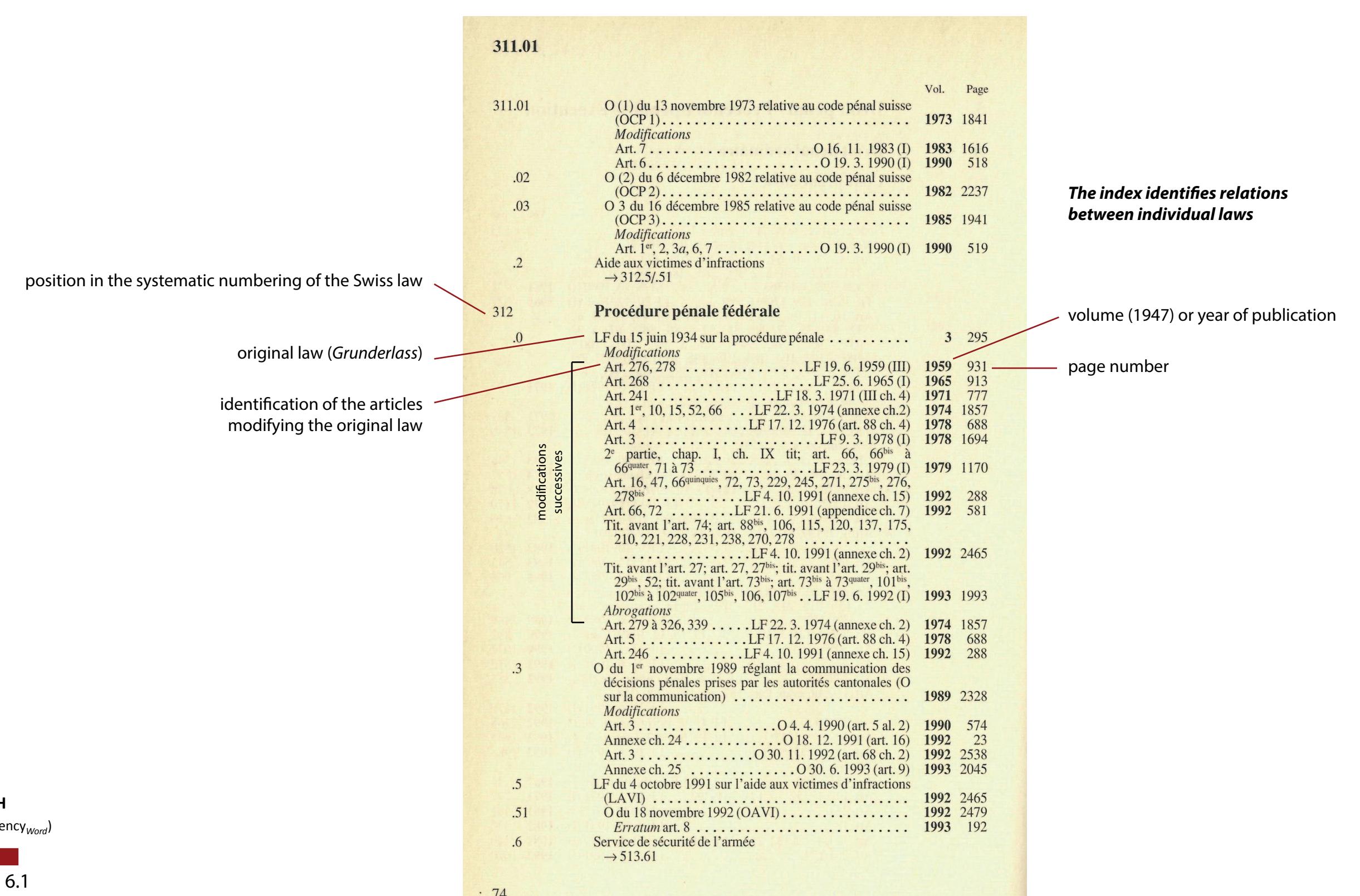
Bundesbeschluss über Bezüge und Ruhegehalter der Mitglieder des Bundesrates  
3. Oktober 1968 1'969 signs



Bundesgesetz über Besoldung und berufliche Vorsorge der Magistratspersonen  
6. Oktober 1989 2'210 signs



**Every year, new laws are written. But in which domain? Which laws are new? Which replace older laws? Which cancel them? Jursists need an overview**



**Hypothesis:** the intensity of legiferation in specific legal domains reflects major societal changes in a nation's History. It can be related to other historical events

**Challenge to machine learning:** correct errors in XML tagging, identify other categories of laws (e.g. by automatic clustering or according to the competences of individual institutions), relate laws to historical documents

