# Licence informatique semestre 4

### Responsables

- Licence : Frédéric Dadeau
- S4: François Piat 409C francois.piat@univ-fcomte.fr
- Secrétariat : Stéphanie Pardo 403C -
- S.I.: Laurent Steck

### Informations

- ENT > MOODLE > Licence 2 informatique (L2INFO)
- ENT > Emploi du temps > ADE Campus
- Panneau d'affichage

### Groupes TD / TP

- les mêmes qu'au S3
- 2 groupes TD, 4 groupes TP

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# Licence informatique semestre 4

### Contenu

- Algorithmique sur les données (JT4ALGO) 6 ECTS
- Langages du Web et sites dynamiques (JT4LWSD) 6ECTS
- Système et programmation système (JT4PROGS) 6ECTS
- Probabilités élémentaires (JT4PROBA) 6ECTS
- Anglais 3ECTS
- Communication (JT4COM) 3ECTS
  - 9-10-11 mars: soutenance L3

### Examens

- Contrôle continu tout au long du semestre (colles, projets, examens).
- Session 2 (rattrapage) : fin juin, début juillet. Pour le S3 et le S4

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## Licence informatique semestre 4

- Validation des UE (Unité d'Enseignement)
  - chaque UE est notée sur 20 points
  - contrôle continu (colles, devoirs surveillés, projets ...)
  - UE validée si la note obtenue est ≥ 10
- Validation d'un semestre
  - semestre validé si la moyenne des UE est ≥ 10
     compensation : si un semestre est validé, toutes les UE sont validées
- Validation de l'année
  - l'année est validée si la moyenne des 2 semestres est ≥ 10 compensation : si l'année est validée, tous les semestres sont validés
- Semestre non validé session 2
  - uniquement les UE non validées
  - note finale = 40% 1ere note + 60% note session 2 (sauf PROBA)
  - pas de session 2 pour COM → il faut ABSOLUMENT rendre quelque chose au cours du semestre.

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# UE Langages du Web

- Responsable
  - François Piat francois.piat@univ-fcomte.fr
  - SSII: 1983 1993
  - Travailleur Indépendant 1994 maintenant
  - Développements multimédias
  - Web : sites applications
  - Depuis 2000 : PAST
- Autres intervenants
  - Hana M'Hemdi
  - Eric Merlet

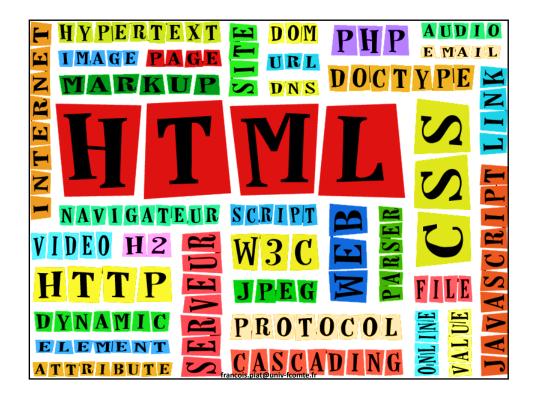
francois.piat@univ-fcomte.fr

# UE Langages du Web Cours • 4 sujets de TP à rendre en HTML fin de semaine CSS • projet : développer une PHP application style Twitter TP non rendu => -1 2 examens en amphi: Sert si note limite à HTML + CSS **PHP I'UE** · Projet noté après mini-soutenance francois.piat@univ-fcomte.fr

# Module Langages du Web

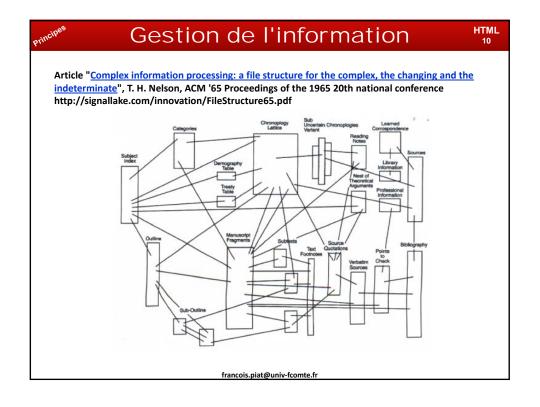
- MOODLE
  - Langages du Web JT4WEB L2 S4
  - Clé d'inscription : JT4WEB2016
  - Tutoriels (à télécharger)
  - Vidéos
  - Sujets des TP
  - Contenu augmenté au fur et à mesure

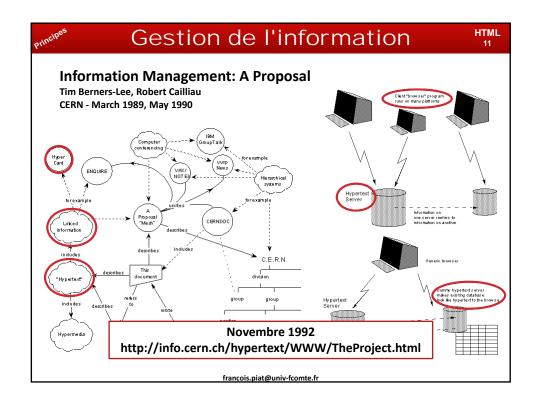
francois.piat@univ-fcomte.fr

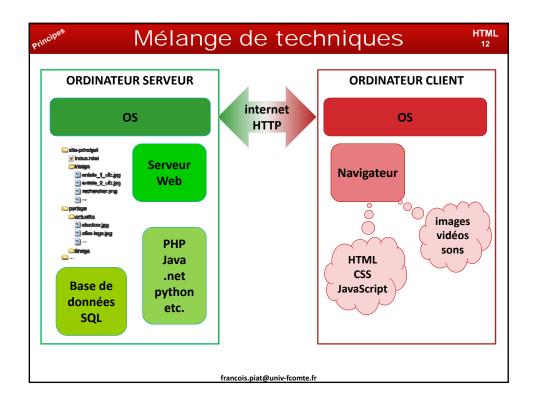


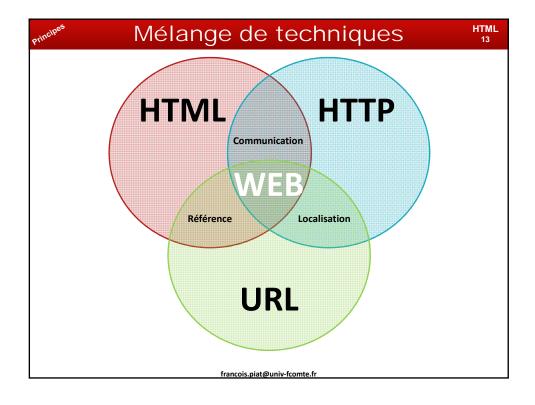


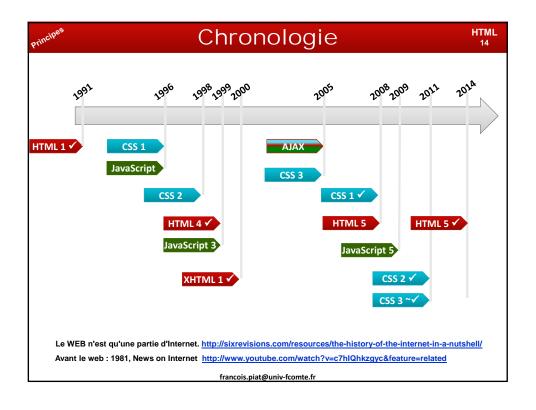


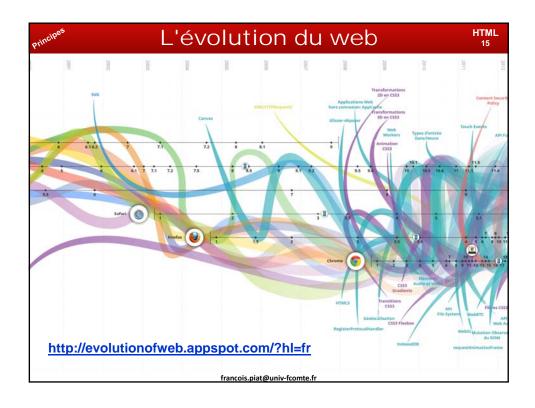


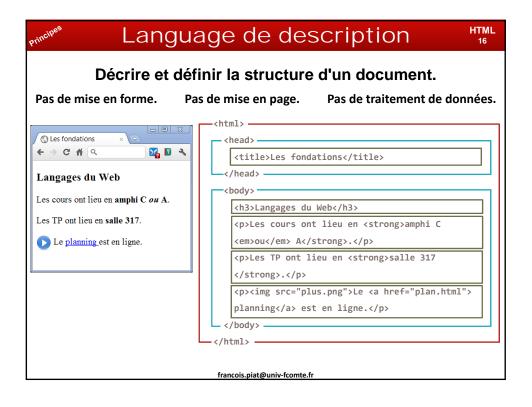




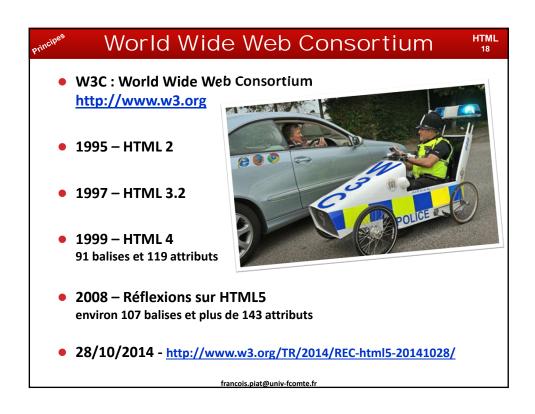




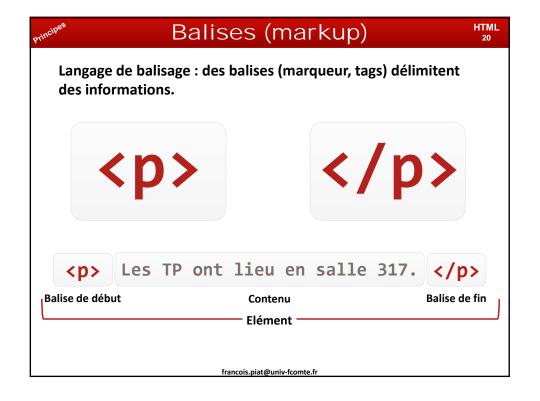




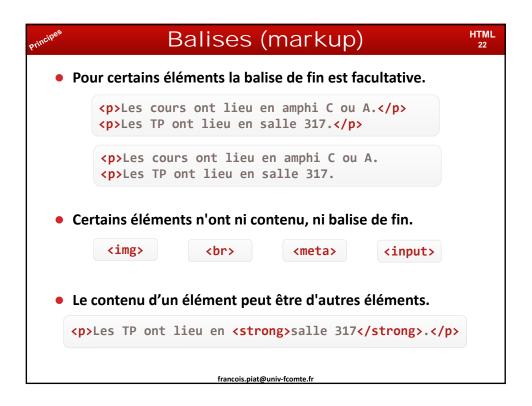


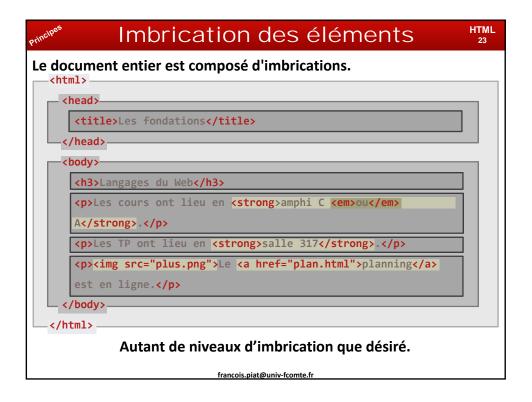


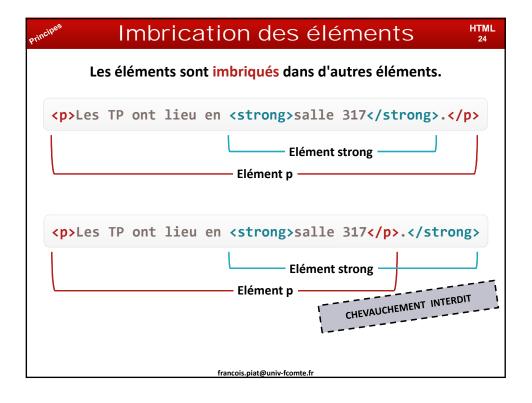


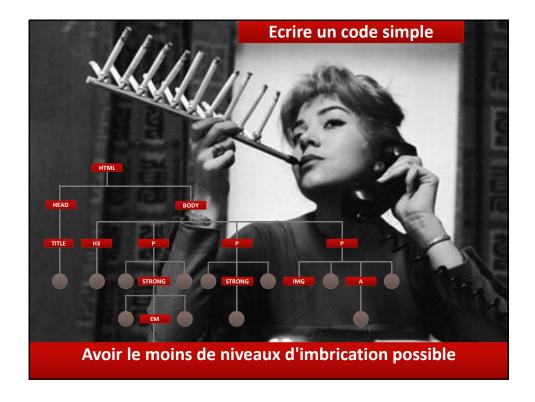


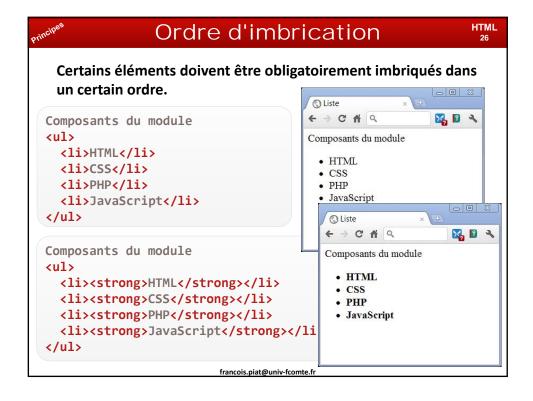




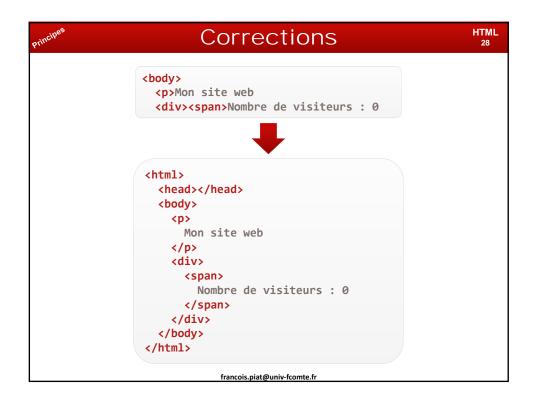




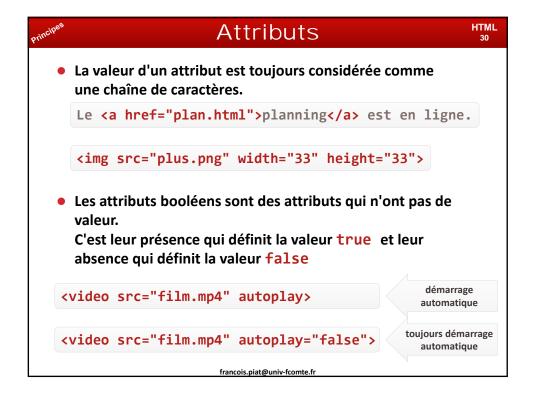


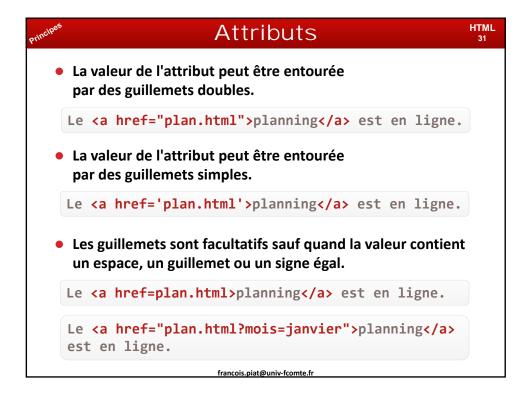


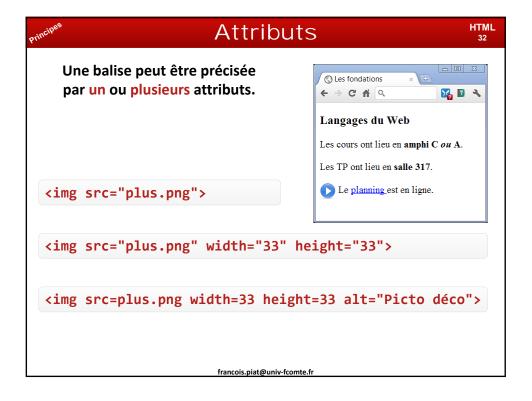




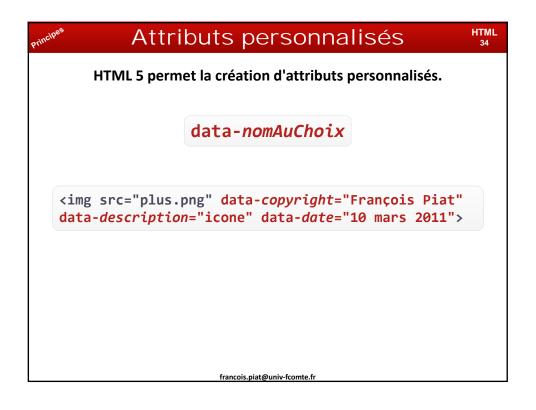


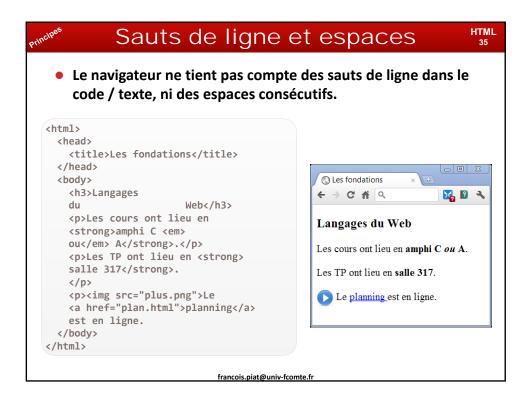


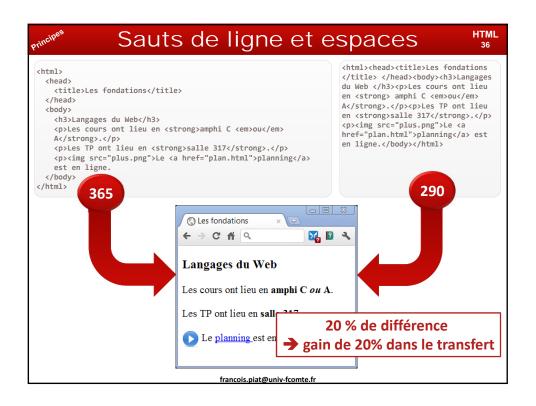


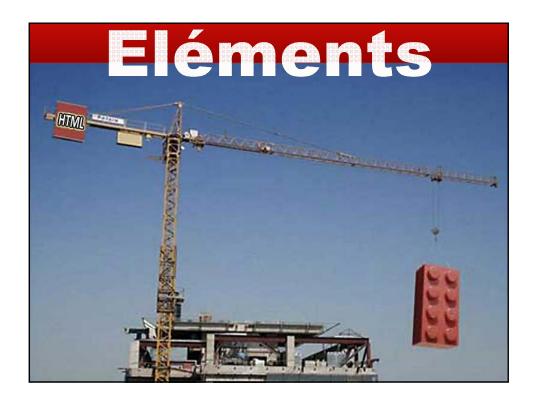




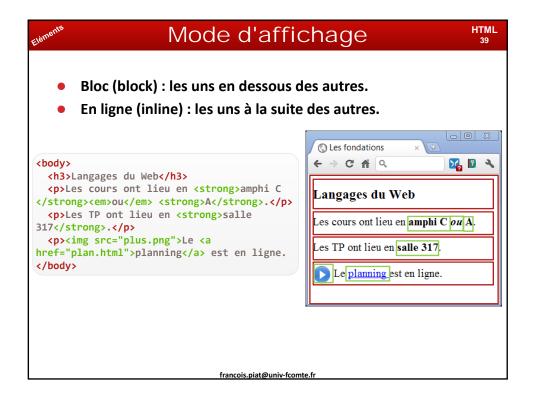


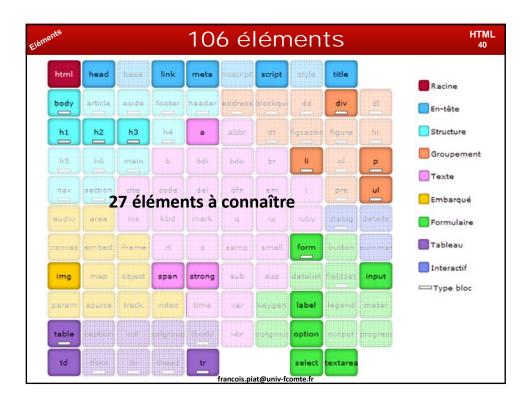


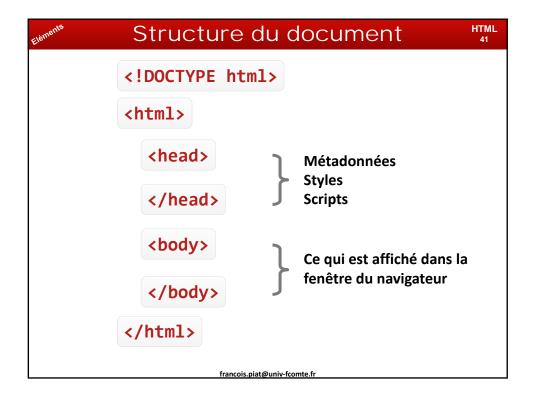


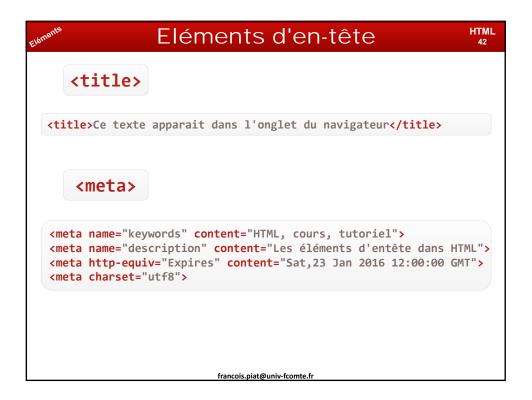


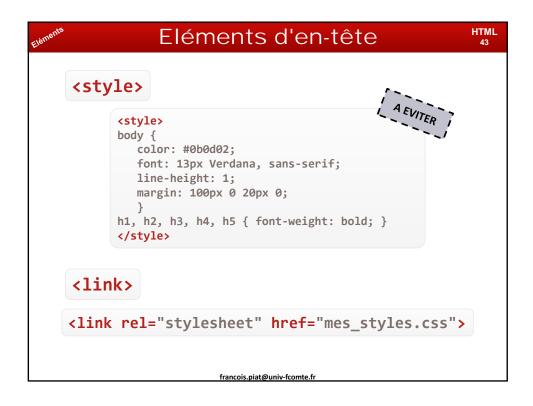








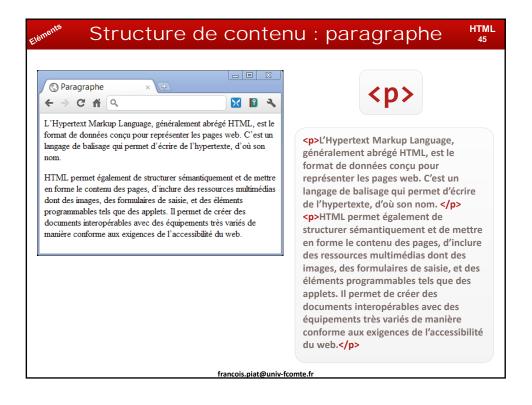


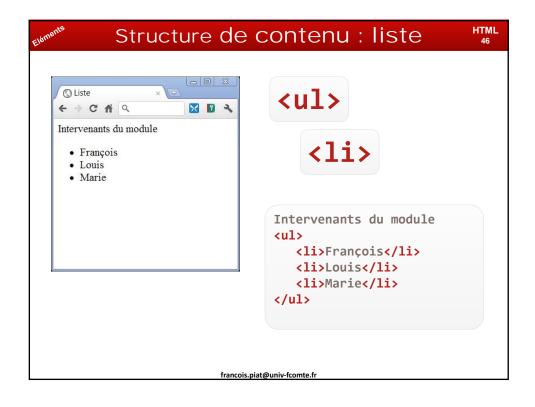


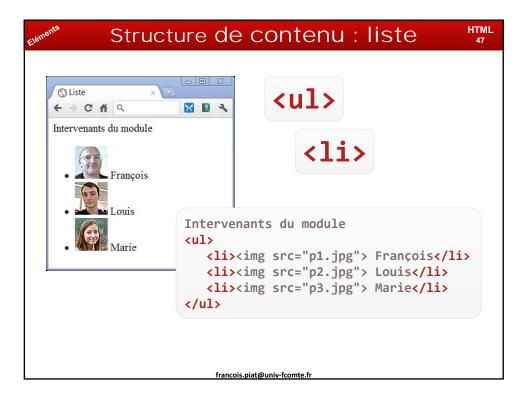
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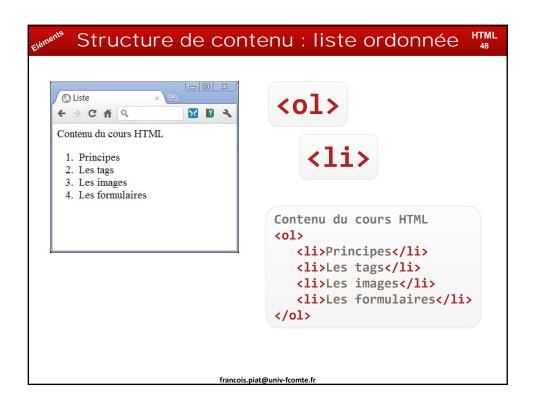
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function changeAffichage(sID, bVisible) {
   var bs = document.getElementById(sID).style;
   if (bVisible === undefined) {
      bVisible = (bs.display == 'none');
   }
   bs.display = bVisible ? 'block' : 'none';
}

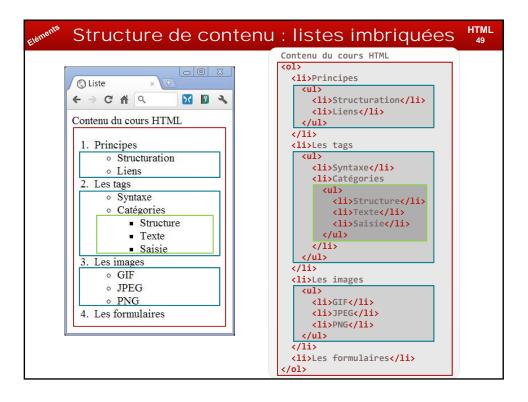
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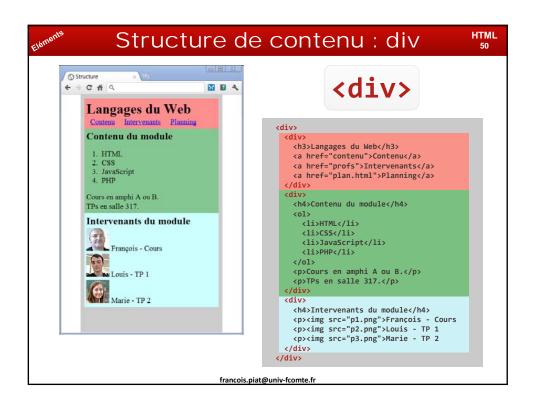




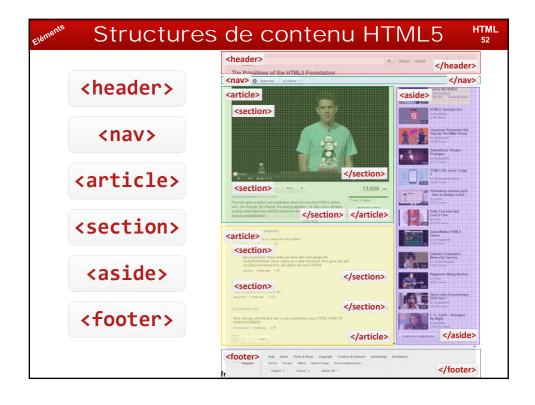


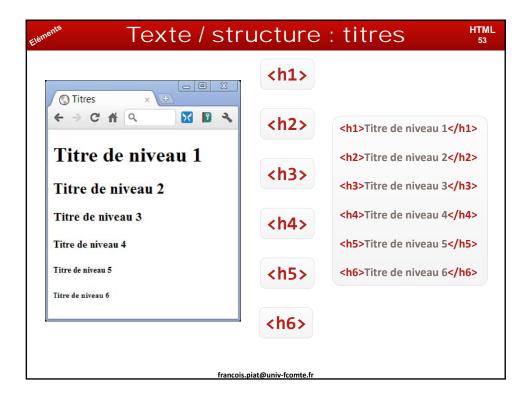


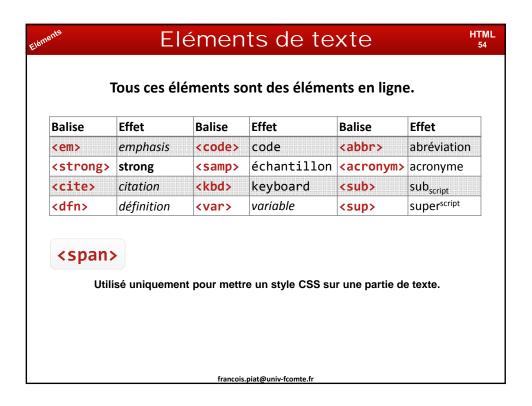


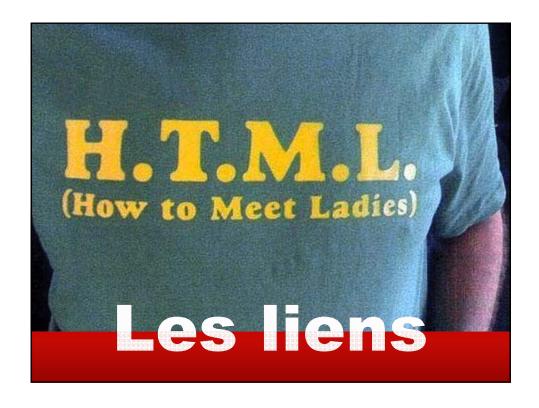


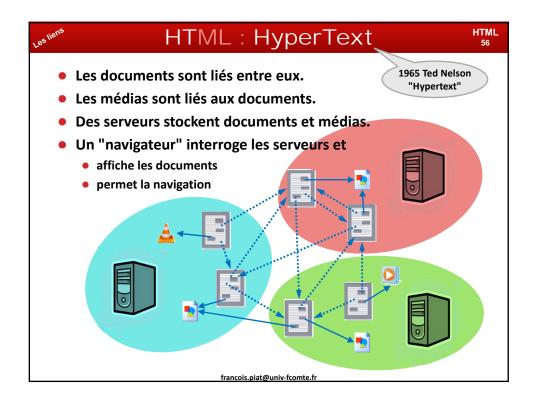


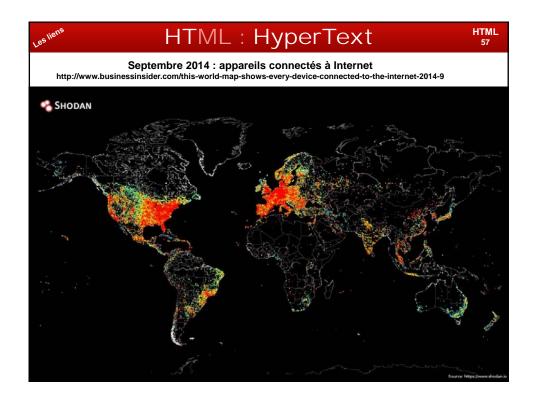


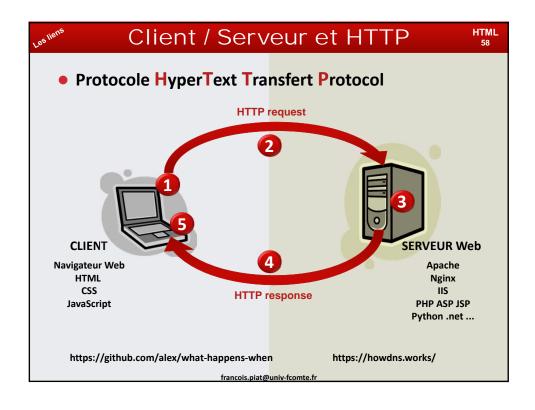


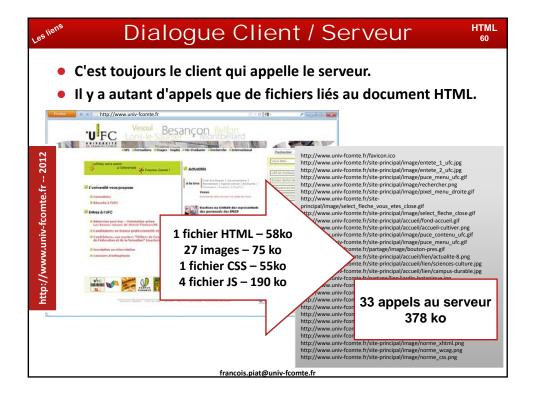


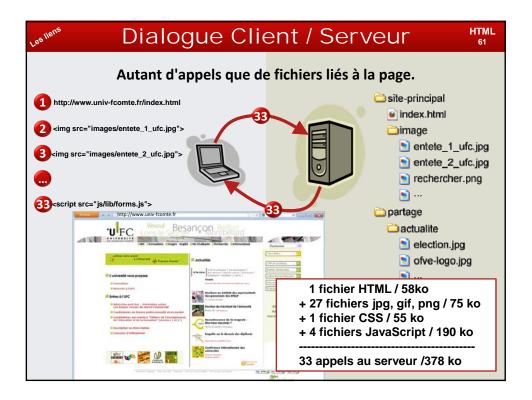


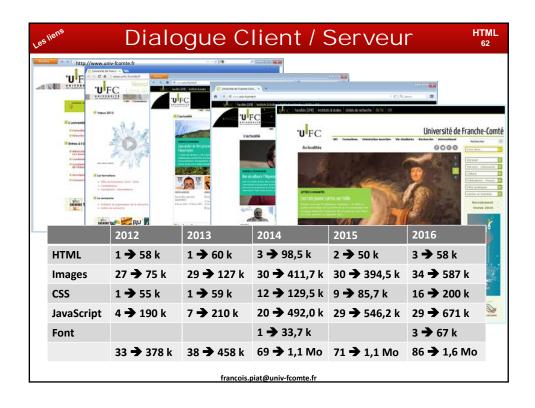


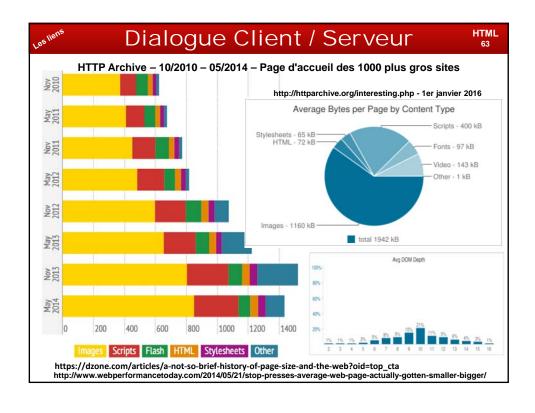






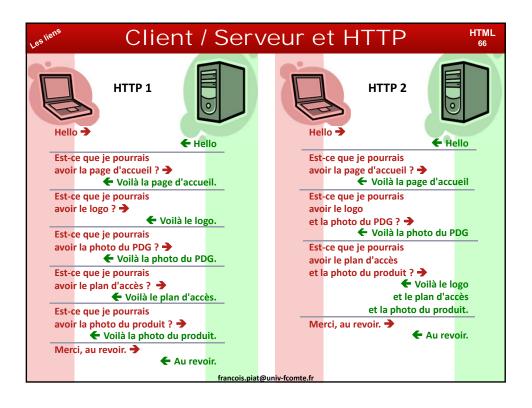


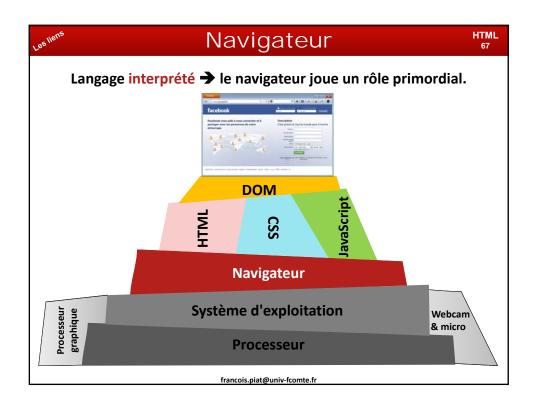


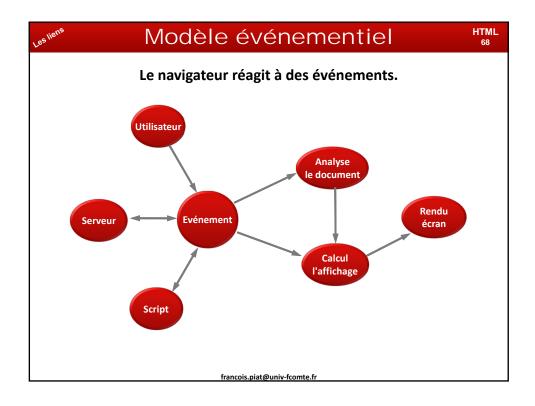


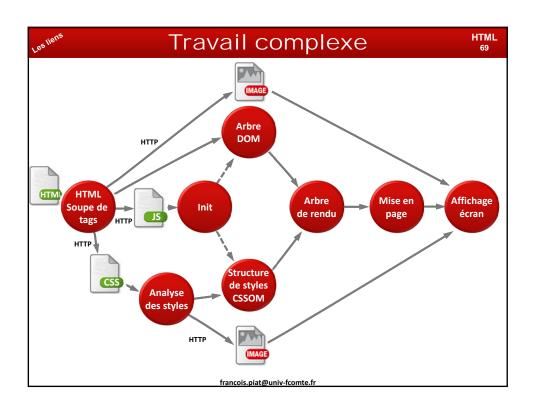
Aout 2015	Classement - Site	Temps de chargement moyen des pages (millisecondes)	Poids moyen des pages analysées (octets)	Nombre moyen de requêtes	
	Wikipedia	3 617	515 393	27	
	Марру	4 586	1 165 121	68	
	PagesJaunes	4 995	540 704	50	
	Youtube	5 309		86	
	Le Bon Coin	5 539		80	
	Meteo France	5 828		90	
	Google	8 120		87	
	Facebook	11 008		46	
	Dailymotion	12 168		184	
	MYTF1	13 049		201	
	France Télévisions	17 612		172	
	L'internaute	18 511	3 450 611	203	
	Le Figaro	18 522		239	
	CommentCaMarche	19 731		177	
	Au féminin	21 631		269	
	Le Monde	21 876		393	
	Doctissimo	22 233		286	
	AlloCiné	23 179		197	
	Marmiton	29 512		378	
	Télé Loisirs	29 627	4 832 836	425	

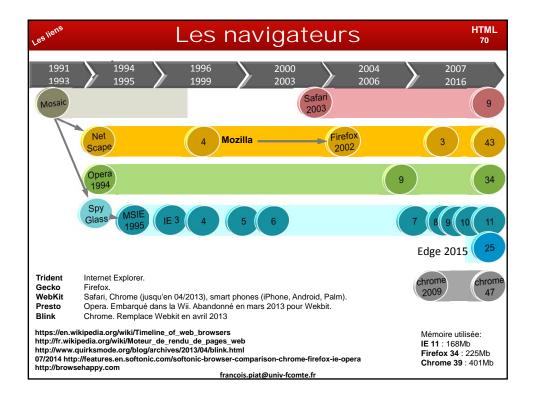
# Dialogue Client / Serveur HTTP 2 : mai 2015 Multiplexage : échange de plusieurs messages simultanément, et non plus séquentiellement. Entêtes systématiquement compressés. Transferts en binaire. Regrouper les échanges avec un même serveur au sein d'une seule et même connexion TCP. cache pushing : un serveur peut envoyer des informations à un client pour un usage futur.

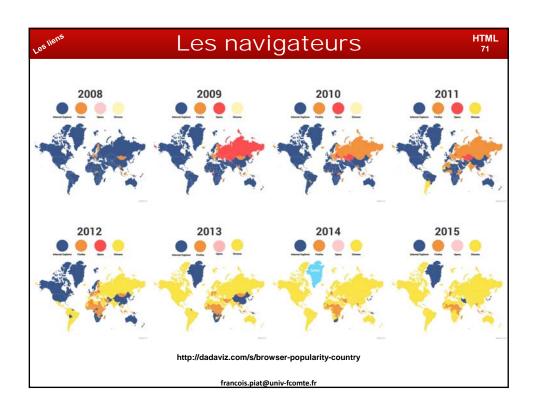


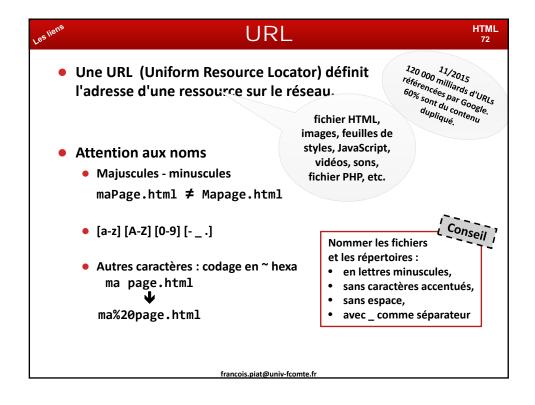


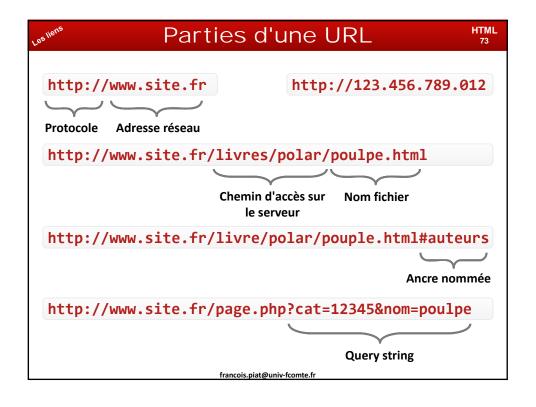


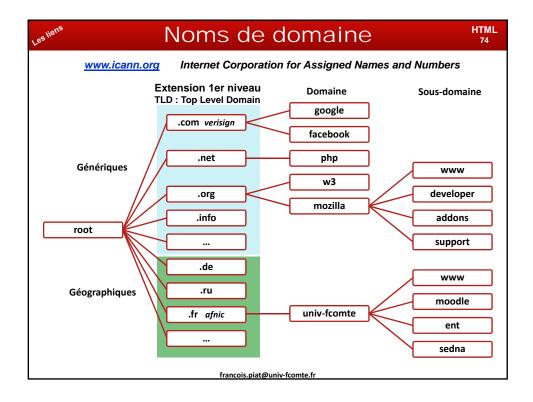


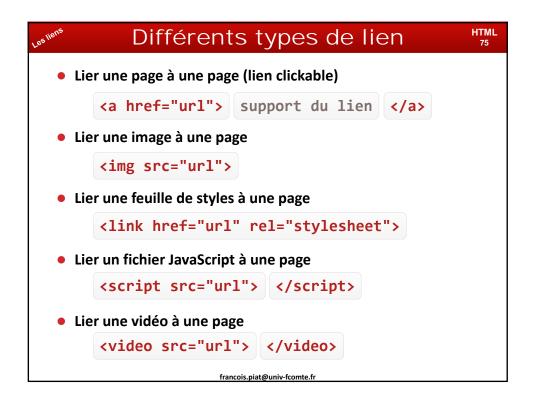


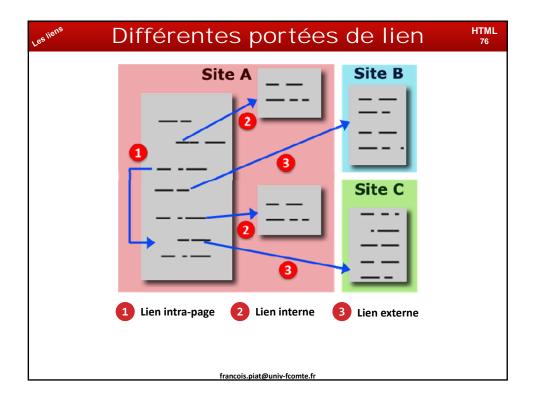




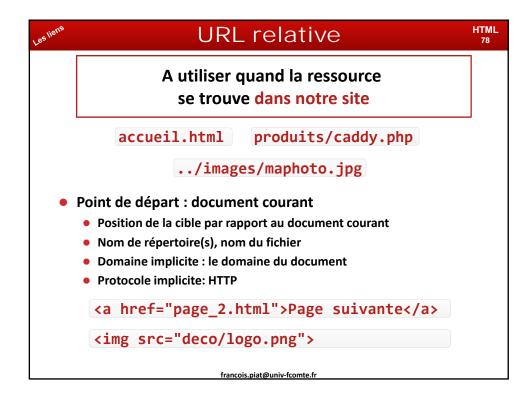


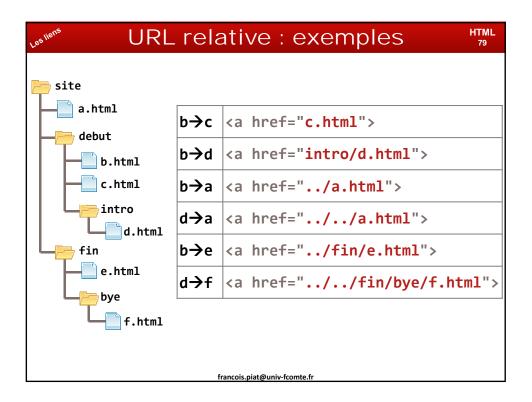


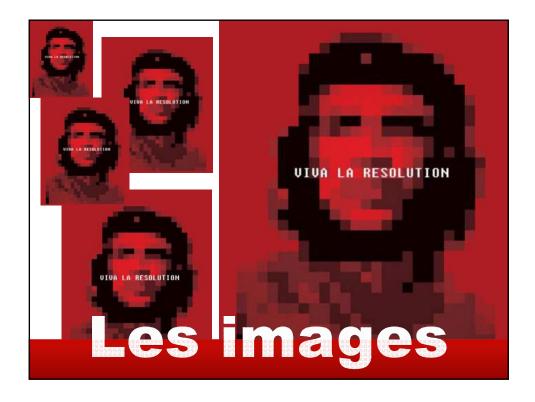


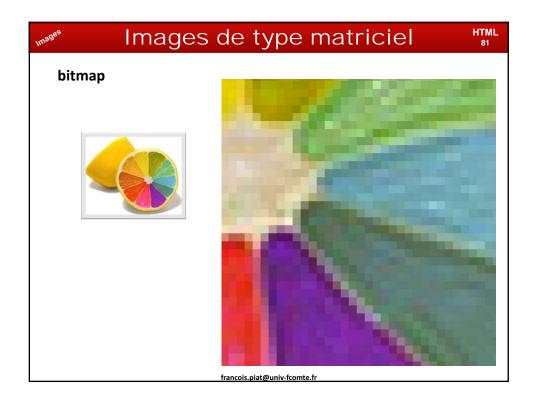


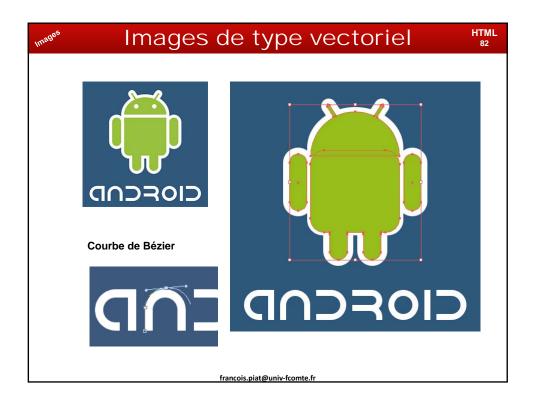


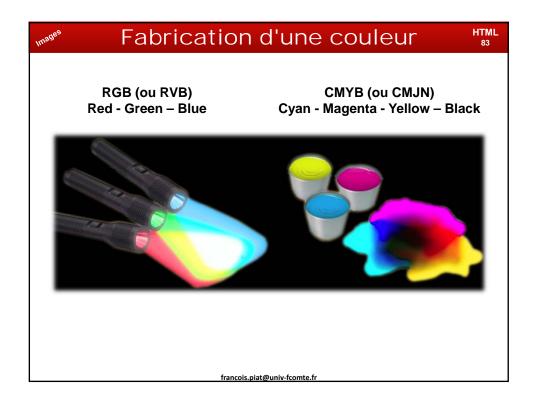




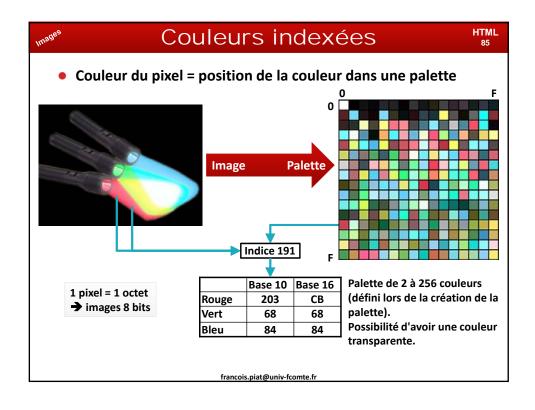




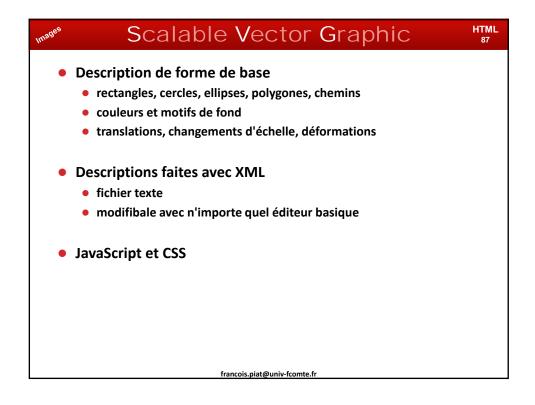




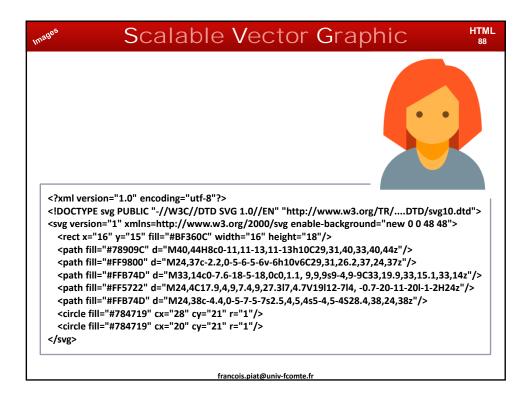




## • 3 formats natifs reconnus par tous les navigateurs • GIF - Graphics Interchange Format • JPEG - Joint Photographic Experts Group • PNG - Portable Network Graphics • 1 format reconnu par les navigateurs dernières versions • SVG – Scalable Vector Graphic • Optimisation importante (60% à 75% du trafic)



Langages du Web



Format	Туре	Compres- sion	Nombre couleurs	Affichage progres.	Anima- tion	Transpa- rence
JPEG	bitmap	Réglable (avec perte)	16 millions	Oui	Non	Non
GIF	bitmap	Oui, Sans perte	256 maxi (palette)	Oui	Oui	Oui (une couleur)
PNG	bitmap	Oui, sans perte	256 (palette) ou 16 millions	Oui	Non	Oui (couche Alpha)
svg	vectoriel	_	16 millions	-	Oui	Oui (par nature)

