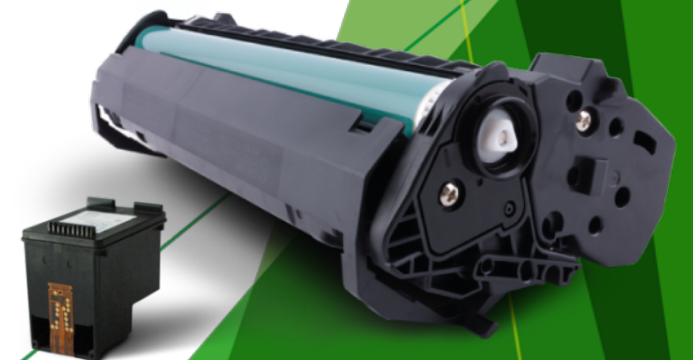


# French Voluntary Agreement on Cartridge collection

*Philippe Guenin*  
LVL CEO

June 2016



# French Voluntary Agreement on Cartridge Collection

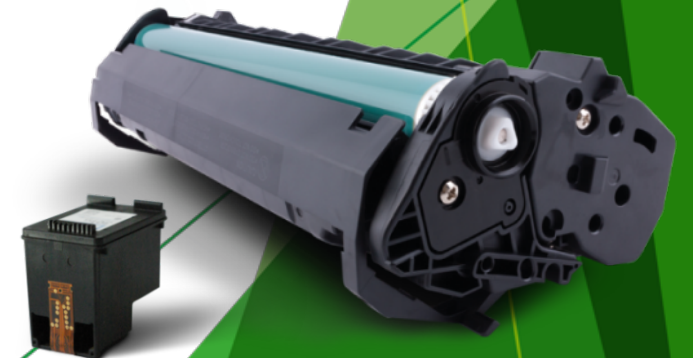
## ***Timeline***

***2011 French Voluntary Framework Agreement***

***2014 Annual Report – IN NUMERI***

***Perspectives and conclusion***

June 2016



## ***Timeline***

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***2010***

**Ministère de l'Énergie et du Développement Durable pushes for new efforts in developing waste management**

**Cartridges are amongst the MEDD product list**

**OEMs order an industry wide study to a specialized consultancy firm (Bio Intelligence Service)**

***2011 - January***

**Industry wide study outlines that a majority of cartridges collected are collected by aftermarket**

***2011 - January*  
*2011 - November***

**Negotiation by all parties (OEM, Aftermarket, Distribution network, social and solidarity economy) under supervision of Ministère de l'Énergie et du Développement Durable**

***2011 - November***

**Voluntary Framework Agreement on Cartridge Collection signed**

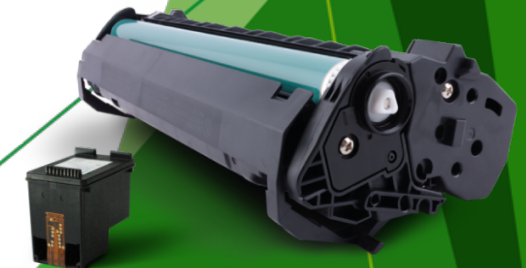
***2015 - December***

**Agreement amendment signed**

***2018 - December***

**Integration to the WEEE agreement**

***June 2016***



## ***French Voluntary Framework Agreement***

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***Stakeholders*** *Ministère de l'Énergie et du Développement Durable*  
*Original Equipment Manufacturer*  
*Aftermarket network*  
*Social and solidarity economy*

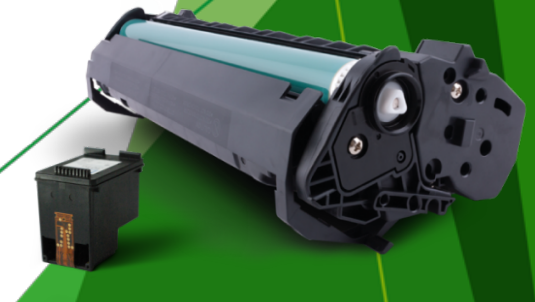
### ***I- Preamble***

### ***II- Nature, object and terms of the agreement***

#### ***II.1. Goals:***

- To establish good practices for cartridges with a priority to reuse
- To increase reuse and material recycling
- To improve the current practices by complying with the European Waste Hierarchy
- To obtain commitment from all stakeholders
- To promote awareness amongst consumers
- To establish traceability of the industry

*June 2016*



## ***French Voluntary Framework Agreement***

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### ***III- Scope***

- III.1. Product scope***
- III.2. Geographic scope***
- III.3. Importations and exportations***

### ***IV- Commitments***

- IV.1. Charter of good practice***
- IV.2. Ethics***
- IV.3. Safety, Hygiene & Environment***
- IV.4. Promotion, Communication and information***
- IV.5. Traceability and reporting***  
*Annexe, Annual Report, Audit*

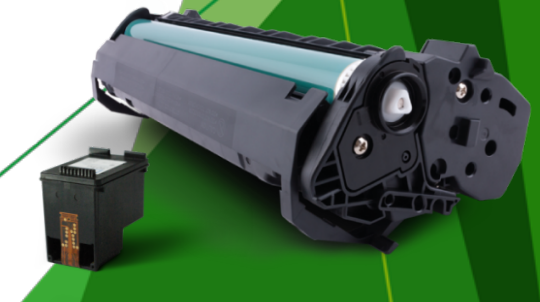
### ***V- Target***

- V.1. Collection target***
- V.2. Processing target***

### ***VI- Timeline***

### ***VII- Industry Committee***

*June 2016*



## French Voluntary Framework Agreement

Acteurs de la filière		Nombre de représentant au Comité de Filière
Catégorie d'acteurs de la filière	Sous- catégories d'acteur de la filière (ou secteur)	
Metteurs sur le marché	Producteurs de systèmes d'impression	4
	Remanufactureurs/ Refillers	1
	Revendeurs sous leur marque / Importateurs	1
Opérateurs de collecte et de traitement	Opérateurs de collecte	3
	Opérateurs de traitement	
Acteurs de l'économie sociale et solidaire	Acteurs de l'économie sociale et solidaire	1
Distributeurs	Distributeurs	1
Collectivités territoriales	Collectivités territoriales	1
Pouvoirs publics	MEDDTL	1

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Source : Voluntary Framework Agreement on Cartridge Collection (p10)

## ***2014 Annual Report – IN NUMERI***

### ***Outline***

This report consolidate all information given by the office print cartridges collection and processing professionnals who have signed the Voluntary Framework Agreement on November 2011.

### **2014\***

	<b>Unit in millions</b>	<b>Tonnage</b>
<b>Cartridges on the market</b>	<b>78M</b>	<b>9kt</b>
<i>Inkjet</i>	<i>64M</i>	<i>2kt</i>
<i>Toner</i>	<i>5M</i>	<i>5kt</i>
<i>Toner bottle</i>	<i>9M</i>	<i>2kt</i>
<b>Cartridges collected</b>	<b>18,5M</b>	<b>5kt</b>
<b>Collection rates</b>	<b>24%</b>	<b>58%</b>

Source : 2014 Annual Report – IN NUMERI

\*Calculated on the basis of an average weight :  
30g inkjet, 1kg toner, 200g toner bottle

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## ***2014 Annual Report – IN NUMERI***

### ***Goals***

With an overall 78% material recovery, the 2014 target had been achieved (target of 70%) as well as a 95% total waste recovery (target of 95%)

### ***Carried out actions in 2014***

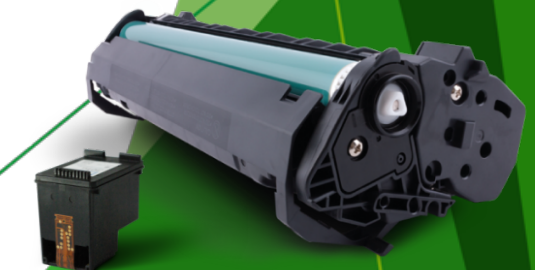
- All stakeholders actions
- Distributors commitment
- Collectors, waste operators and remanufacturers' actions
- Manufacturers' actions
- Social and solidarity economy's actions

### ***Market state in 2014***

In opposition to 2013, the cartridges market reflects a strong increase in inkjet and toner bottle while the toner cartridges are steadily declining

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*Source : 2014 Annual Report – IN NUMERI*

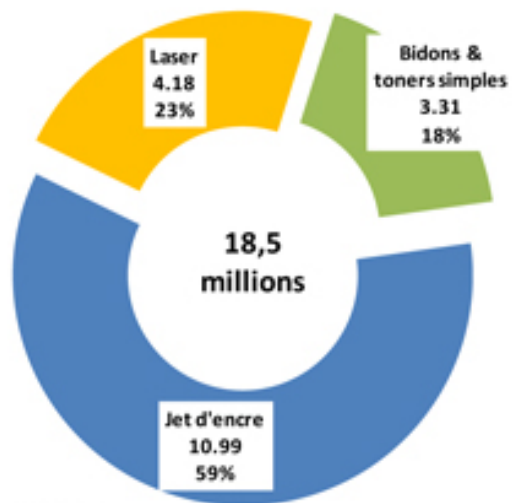




## 2014 Annual Report – IN NUMERI

### Cartridges collected

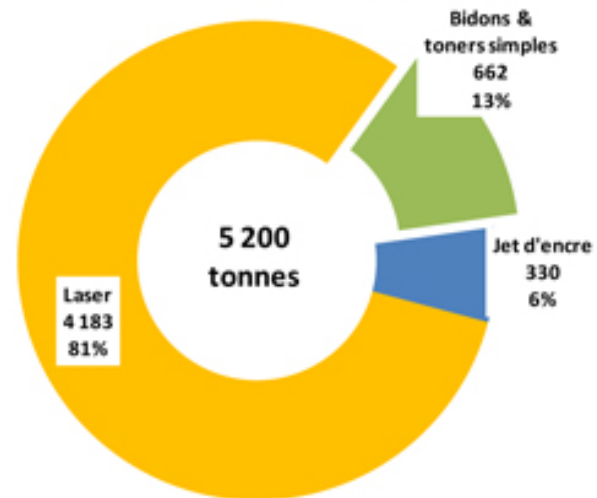
Collecte des cartouches usagées



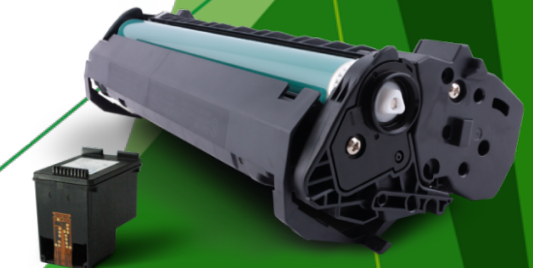
Source : IN NUMERI

En millions d'unités

Collecte des cartouches usagées

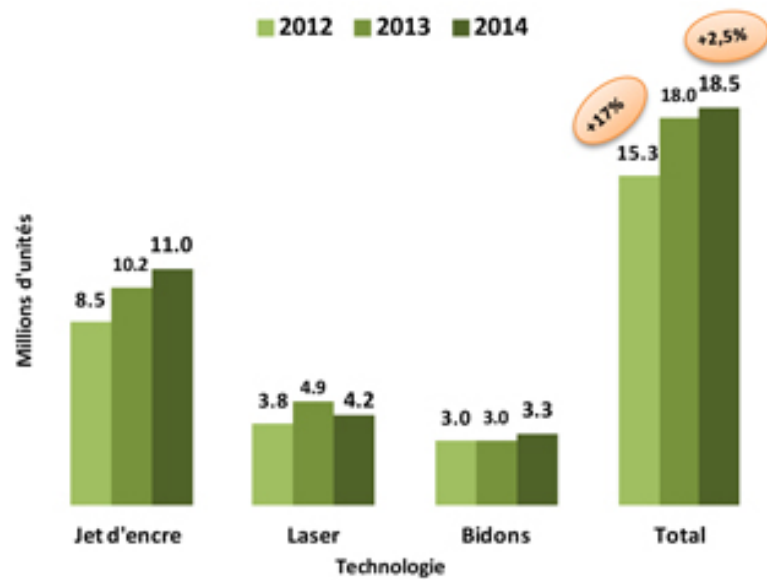


En tonnes

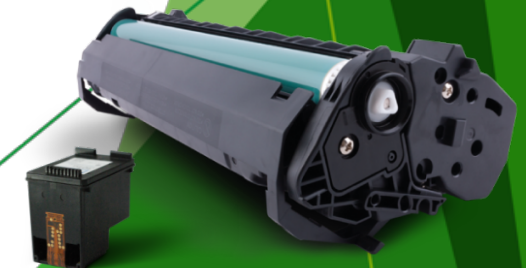
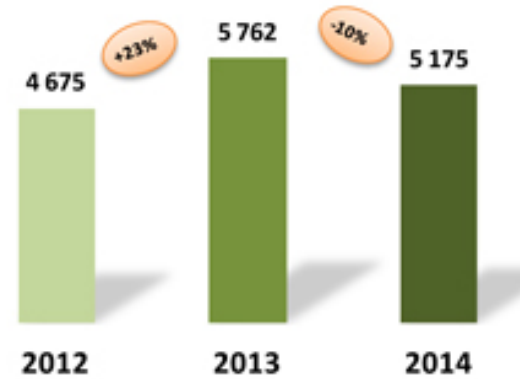


## 2014 Annual Report – IN NUMERI

### Evolution by unit and tonnage

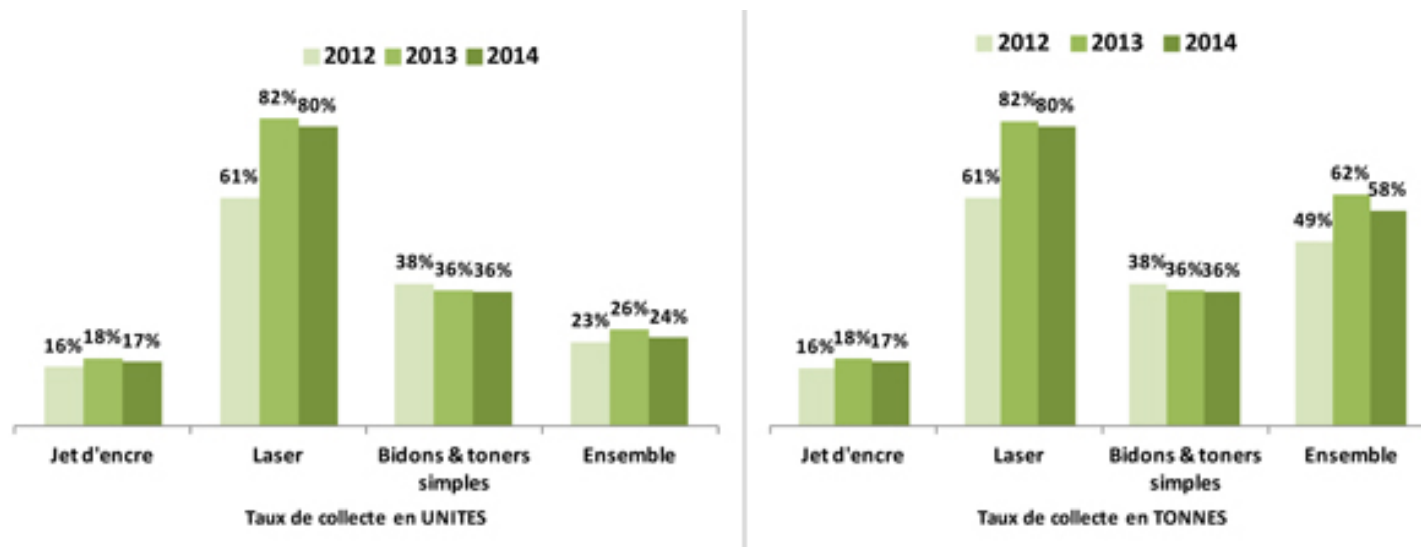


### Tonnages collectés



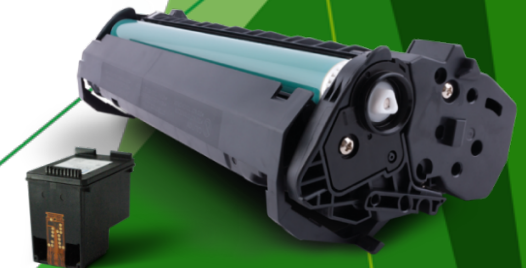
## 2014 Annual Report – IN NUMERI

### Evolution by recycling rates



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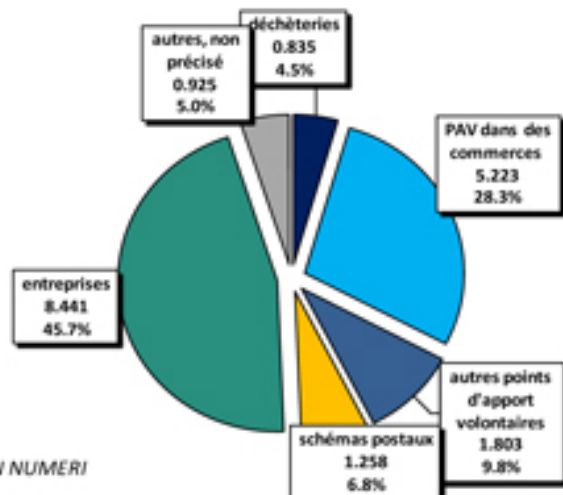
Source : 2014 Annual Report – IN NUMERI



## 2014 Annual Report – IN NUMERI

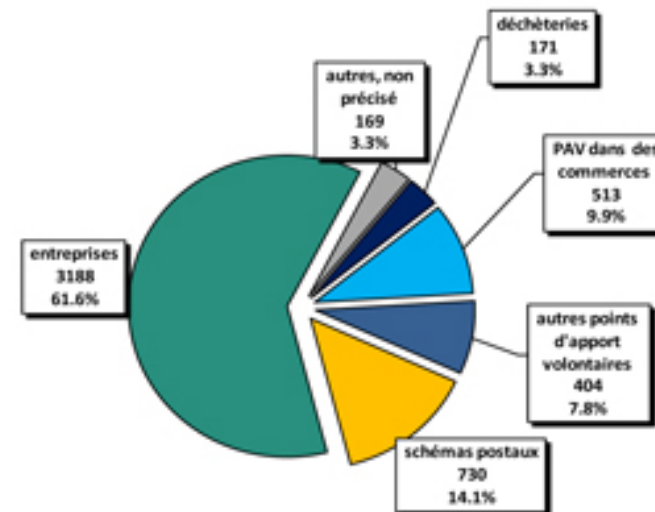
### Collection site

Répartition des unités collectées par lieu de collecte  
(millions d'unités)



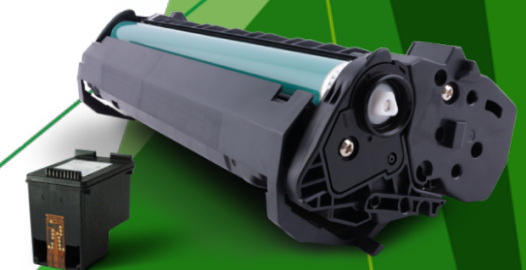
Source IN NUMERI

Répartition des tonnages collectés par lieu de collecte



June 2016

Source : 2014 Annual Report – IN NUMERI



## ***Perspectives and conclusion***

2014 allowed keeping on improving the user's behavior for used cartridges deposit in shops and outlets, it also improved sorting techniques and treatments and allowed the trade to set realistic goals for the futur :

- keeping or increasing the collection rates
- encouraging more actors to sign the Voluntary Framework Agreement
- anticipating the integration to the WEEE directive in 2018

June 2016



*Thank you for your attention*

*Philippe Guenin  
LVL CEO*



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