

# BIO Latin America

Conference

São Paulo

October 28<sup>th</sup>, 2016

**Raquel Rinke**

[raquel.rinke@dsm.com](mailto:raquel.rinke@dsm.com)

# Innovation is our passion

- DSM's innovation activities are focusing on products & solutions that nourish, protect and improve performances, within existing businesses
- DSM invests in new emerging business platforms, instrumental in turning innovations in major businesses
- DSM recognized as top innovator in external benchmarks



Maxarome® replacing salt, reducing health risks, whilst maintaining a good taste



DSM Biomedical



DSM Advanced Surfaces



DSM Bio-based Products & Services



Bio-based Coating Resins

Innovation strongly contributes to DSM's growth

# DSM Intellectual Property

- Intellectual Property (IP) is essential to an innovative company like DSM. It includes patents, trademarks, copyrights, trade secrets, etc.
- DSM has an extensive patent portfolio and company actively defend to prevent and stop infringement by competitors.
- At the same time, DSM monitors competitors activities to ensure that we do not infringe any valid third party patents.

# DSM Intellectual Property

In 2015, DSM filled 790 patents in Europe.  
More than 400 patents was in Biotechnology  
Field (EPO, 2015).

## Top applicants EPO, 2015 (Biotechnology Field)

Biotechnology		Applications
Rank		
1	DSM	456
2	HOFFMANN-LA ROCHE	177
3	NOVOZYMES	107
4	INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE	104
5	DU PONT	80
6	BAYER	61
7	BASF	55
8	SANOFI	55
9	NOVARTIS	44
10	QIAGEN	42
11	UNIVERSITY OF CALIFORNIA	41
12	ABBVIE	39
13	MERCK KGAA	34
14	AMGEN	33
14	JOHNSON & JOHNSON	33
16	AGENCY FOR SCIENCE,	31
17	EVONIK	30
18	LIFE TECHNOLOGIES	29
19	DOW CHEMICAL	26
20	CENTRE NATIONAL DE LA	25
20	INSTITUT NATIONAL DE LA	25
20	REGENERON	25
20	THE BROAD INSTITUTE	25
24	NOVO NORDISK	24
25	BRISTOL-MYERS SQUIBB	23
Others		4,867
Total		6,048

<https://www.epo.org/about-us/annual-reports-statistics/statistics.html#applicants>  
[http://annualreport.dsm.com/ar2015/en\\_US/section-557423.html](http://annualreport.dsm.com/ar2015/en_US/section-557423.html)



# DSM Intellectual Property

**INPI**



- **“Patentes Verdes”**: Fast Track Program implemented in Brazil to contribute to global climate change aiming to accelerate the examination of patent applications related to technologies for the environment (Resoluções PR nº 131/2014 e PR nº145/2015).
- DSM has 4 patents granted via Green Patent Program.
- DSM was the 1<sup>st</sup> multinational to have a patent granted via this Project (~12 months)

# How to protect innovation in Brazil?

- **Friendly Regulatory Environment for Biotechnology Industry;**
- **Brazilian Intellectual Property Law (LPI) - Law no. 9.279/96**
  - Possible to protect GMO microorganisms 😊
- **Biotechnology Guideline (Resolution No. 144/2015 - Published on March, 12<sup>th</sup>, 2015):**
  - Formalizes the current PTO's practice, including definitions and examples what is considered patentable or not;

# How to protect innovation in Brazil?

- **Biotechnology Guideline** (Resolution No. 144/2015 - Published on March, 12th, 2015):
  - **Biological sequence protection**

**Few nucleotides/amino acids modifications -> few modification in protein structure -> protein function kept**

- Use of **GMO microorganisms** in industrial plants - exposure of microbiological product;
- How to mitigate these risks?

# How does other countries deal with this topic?

## Biological sequences protection





# Conclusions

- Brazilian scenario
- Biotech companies want to have guaranties that Brazil has enough judicial security and a strong position for Biotech IP protection
- INNOVATION + INVESTMENTS!!!



**BRIGHT SCIENCE. BRIGHTER LIVING.™**