

# IAGOS-AISBL Annual Report 2014

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Prepared by Executive Board: 23.02.2015

Approved by General Assembly: 24.04.2015 (by email)

## 1. Activity Report

The Association was founded in January 2014 by Royal Decree. As outlined in Article 3 of the Statutes, the activities of the Association fall in two categories:

(i) Activities conducted by the association, including management, outreach and operational logistics; funded by membership fees and specific cash contributions

(ii) Coordination activities (under responsibility of the GA), whereby the activities themselves are being conducted by the different Members with their own budget

Management had been assigned to the Members of the Executive Board (EB), i.e., Valerie Thouret (CNRS), Carl Brenninkmeijer (MPG), Andreas Petzold (Jülich) and Martin Gallagher (UMAN), during the notary deed in 2013. The EB started its work in February 2014.

### a. Management

Management activities during the reporting period included:

#### 1. Organisation of 3 EB Meetings and 2 EB Teleconferences:

Regular Meeting: Brussels, 13.2.2014 (4 Members + 1 guest (Andreas Volz-Thomas))

- Election of chair (VT), vice-chair (CB), treasurer (AP) for 2 years.
- Setting-up of the organisation by preparation of proposals to the General Assembly (GA) for Tax status of the Association, bank account, contract for the Executive Secretary (ES), Terms of Reference (ToR) and list of candidates for the Advisory Board and a Technical Planning Group (TPG), as well as proposals for the Budget and Activity Plan for 2014 and 2015;

Teleconference, 31 March 2014 (4 Members + 1 guest (Andreas Volz-Thomas))

- Preparation of the 1<sup>st</sup> GA (10.04.2014)

Regular Meeting, Toulouse, 16 May 2014 (2 Members + 2 guest (Andreas Volz-Thomas, Andreas Zahn))

- Wrap-up of the MOZAIC-IAGOS Symposium
- Refinement of ToRs, Bank account, discussion on IGAOS participation in H2020 proposals (ENVRI+)

Regular Meeting, Brussels, 25.09.2014 (4 Members, President, ES)

- Preparation of the second GA, 18th November 2014

Teleconference, 03.11.2014 (4 Members, President, ES)

- Final check of material for 2<sup>nd</sup> GA

## **2. Organisation of two GA Meetings:**

1<sup>st</sup> GA, Brussels, 10.04. 2014

- Election of the President and Vice-President
- Decision on tasks and activities of the executive board
- Decision on appointment and duties of the executive secretary
- Decision on Tax Status of AISBL
- Decision on the IAGOS Advisory Board and Technical Planning Group
- Decision on the Activity Plan for 2014 and Membership Fees for 2014 and 2015
- Discussion of preliminary Activity Plan for 2015
- Discussion on liability insurance, proposal by Romanian Consortium for joining IAGOS, and on procedure for determination of votes in 2015, including means of verification

2<sup>nd</sup> GA, Brussels, 18.11. 2014

- Review of Budget 2014 and Activity Plan 2014
- Decision on budget 2015, including MS fees, and approval of Activity Plan for 2015
- Decision on procedure for compilation of resources for evaluation of votes 2016
- Review of applications by potential new members
- Discussion on potential funding by Copernicus

## **3. Organisation of the first Meeting of the Advisory Board (AB), Brussels, 17.11. 2014**

- Adoption of ToR, election of a chair (J. Butler, NOAA)
- Assessment and recommendations submitted to the President of IAGOS

## **4. Implementation of the Technical Planning Group (TPG)**

- 1<sup>st</sup> Meeting, Toulouse - CIC Meteo-France, 14 May 2014: Adoption of ToR, election of a chair (P. Nédelec, CNRS)
- 2<sup>nd</sup> Meeting, Frankfurt – Enviscope, 15 Oct. 2014: Planning of future installations and package 2 priorities, review of instrument operation and of progress towards Package 2 STC
- TPG teleconference Sept 2014 in preparation of 2<sup>nd</sup> GA

## **5. Other management activities:**

- contracting of a tax lawyer for IAGOS,
- establishing of a bank account at Deutsche Bank, including a sub-account for cash contributions by the Members for logistics and other support,
- Invoicing of Membership Fees.
- Employment of Andreas Volz-Thomas as ES (15.09.2014),

## **b. Outreach**

The most important outreach activity in 2014 was the organisation of the celebration of 20 years of MOZAIC /IAGOS at Toulouse, which included a celebration event at Airbus, followed by a scientific Symposium at CIC Meteo France. 150 people attended the celebration and 90 the scientific workshop. Follow-up of this event includes:

- Reports for IGAC (August 2014), WMO bulletin (October 2014), and SPARC newsletter (January 2015);
- Tellus-B special issue (already 2 papers published, at least 8 more planned; deadline for submission is 15 March 2015);
- Plans for next meetings (IAGOS partners meeting in November 2015 in Toulouse and a larger scientific user meeting in early summer 2016, likely in Manchester).

Other outreach activities included:

- Participation in international conferences (e.g., EGU, IGAC)
- Participation in the FP7 project IGAS (ES is member of the scientific advisory board of IGAS)
- Discussions with ECMWF for potential funding of IAGOS by the Copernicus Atmosphere Monitoring Service
- Participation in the preparation of two proposals for H2020: ENVRI+ (together with other ESFRI RIs in the environment domain under the lead of Univ. Helsinki) and VADAS (together with partners from aeronautics under the lead of Airbus)
- Communication with institutions from other Member States and outside the EU, who had expressed interest in joining IAGOS, i.e. INCAS, RO; University of Szeged, HU; NOAA and NCAR, USA; EAMet, ES; KNMI, NL
- Modification of the IAGOS-ERI website to IAGOS-AISBL
- Definition of outreach material to be ordered (block notes, stickers, USB stick, etc.)

## **c. Coordination activities**

The Association serves to define and agree on a common strategy for both IAGOS-Core and IAGOS-CARIBIC operation. This includes in particular the acquisition of the required hardware and the human resources required for data analysis, quality control and data provision to the scientific users via the central data base and in near-real-time for a selected data set.

### ***i. CORE***

- Regular operation of water vapour sensors, including system pre- and post-flight calibrations
- Regular operation and maintenance of Packages 1 on the 5 aircraft flying plus the last MOZAIC aircraft left (until November 2014)
- Development of software tools for NRT validation of ozone and CO data
- Acquisition of Packages 1 (ozone and CO), water vapour sensors, aerosol package and greenhouse gas package components
- Preparation of the IAGOS STC installation aboard the Lufthansa A330 MSN 989
- Preparation of the automated data analysis and QA/QC algorithms for water vapour and nitrogen oxides
- Improvement of QA/QC procedures for ozone and CO data (part of IGAS\_WP4)
- Preparation of BUFR files and planning of RTTU certification/implementation (part of FP7 project IGAS)
- Finalization of laboratory evaluation of the aerosol instrument prototype P2c

- Development and start of implementation of the maintenance concept for IAGOS P2c Greenhouse gas package
- Extension of the Package 2d stock-keeping system
- Finalization of reanalysis of MOZAIC water vapour data, upload to data base and publication of results
- Maintenance of the data base; Preparation for inclusion of common CARIBIC data
- Improvement of the database facilities and addition of added value products : thanks to additional support from CNES (via ETHER)
- Negotiation for additional European funding (Copernicus, H2020 via ENVRI+)
- Maintenance of BCP database, metadata and analysis tools. High ice database produced. Development of BCP SOP, maintenance history and calibration.
- NRT ozone and CO data automatically delivered to and used in the MACC project (see <http://www.iagos.fr/macc>).

**Table 1: Acquisition of Hardware**

<b>Activity</b>	<b>Member</b>	<b>Planned</b>	<b>Achieved</b>	<b>Reason for deviation</b>
Acquisition P1	CNRS	2	2	
Acquisition P-Box	CNRS	4	4	
Acquisition P2ab	FZJ	0	0	
Acquisition H2O	FZJ	9	9	
Acquisition BCP	UMAN	4	1	1 Refurbished; Shortage in funding
Acquisition BCP	FZJ	0	1	Shortage in BCP for exchange
Acquisition BCP	CNRS	0	1	Shortage in BCP for exchange
Acquisition P2c	FZJ	2	2	Order of P2c components for 2 units
Acquisition P2d	MPG	1	2	Order of P2d components for 2 units
A/C installations		3 (1)	0	DLH moved to 2015; SAA not possible;
Acquisition Kits	FZJ	1	1.5	1 kit already in 2013, 1 <sup>st</sup> part of kit ordered for next installation (to avoid delays)
Acquisition Kits	CNRS	0	0.65	1 <sup>st</sup> part of kit ordered in advance

## **ii. CARIBIC**

- Operation of CARIBIC Container in 2014, including instrument tests, instrument calibrations and provision of measurement data. D-Check performed in June.
- Transfer of CARIBIC coordination from MPI-C to KIT
- Start of construction work of the IAGOS-CARIBIC Laboratory Building at KIT
- Set-up of data server systems for the IAGOS-CARIBIC data base
- Continuation of development of new instrumentation for CARIBIC: Mass spectrometer for VOC, water vapour isotopes and aerosol mass spectrometer
- Set-up of laboratory calibration systems
- Improvement of QA/QC

## Deviations from Activity Plan 2014

Management activities and outreach were conducted as planned with minor delays.

A significant shortage in BCP instruments was identified by the TPG. This was partially mitigated by Jülich and CNRS ordering additional units (see Table 1).

Aircraft installations were not possible in 2014, except for the finalization of Iberia in Feb 2014, due to reasons not under control by IAGOS.

NRT data provision is almost operational for O3 and CO, although not yet from all aircraft.

## 2. Financial Report

As summarised in detail below, the fiscal year 2014 concluded with a positive balance of **72,031.94 €**, composed of a balance of **56,599.04 €** for activities financed from MS Fees and a balance of **15,219.85 €** financed from dedicated cash contributions by Forschungszentrum Jülich.

The report on the financial balance of IAGOS-AISBL by 31.12.2014 by Weynands and Partners PGmbH is also included below.

## IAGOS AISBL Treasurer's Report

Reporting Year

2014

<b>Main Account</b>					
<b>Incoming Payments</b>	<b>Agreed by GA</b>	<b>Planning</b>	<b>Credit</b>	<b>Debit</b>	<b>Balance</b>
Full Membership Fee	12,000.00 €				
Reduced Membership Fee	3,000.00 €				
No. of full members	6				
No. of partners eligible for reduced membership fee	2				
Membership Fees		78,000.00 €	78,000.00 €		
<b>Total Membership Fees</b>		<b>78,000.00 €</b>			<b>78,000.00 €</b>
<b>Expenditures</b>					
<b>Expenditures</b>	<b>Comment</b>	<b>Planning</b>	<b>Credit</b>	<b>Debit</b>	<b>Balance</b>
0.5 Executive Secretary (Senior Scientist)	contract since 15 Sept. 2014	14,000.00 €		13,960.16 €	
0.5 Administrative (and/or IT person)	no appointment foreseen in 2014			- €	
Overhead	2014 social security and taxes	1,662.50 €		1,856.93 €	
<b>Total personnel</b>		<b>15,662.50 €</b>		<b>15,817.09 €</b>	
General Assembly Nov 2014	catering, travel for EB members	1,000.00 €		1,442.75 €	
4 Meetings of EB (venue, staff travel)	payed from IAGOS-D / IAGOS-F	2,500.00 €		- €	
1 meetings for TPG	TPG meeting 15 Oct 2014	700.00 €		175.91 €	
1 Meeting of Advisory Board (venue, catering)	SAB meeting 17 Nov 2014	200.00 €		207.25 €	
Travel for 3 Advisory Members (Haywood)	SAB meeting 17 Nov 2014	2,500.00 €			
Travel Budget for Executive Secretary		800.00 €		1,104.80 €	
IGAS Annual Meeting	Contribution to dinner			725.90 €	
MOZAIC-IAGOS Symposium 2014	payed from IAGOS-D / IAGOS-F			- €	
<b>Total Meetings</b>		<b>7,700.00 €</b>		<b>3,656.61 €</b>	
IT sub-contract	no contract awarded yet	8,000.00 €		- €	
Tax Lawyer		2,000.00 €		1,881.55 €	
Fees		2,000.00 €		28.31 €	
Outreach activities	planned	4,450.00 €			
Provisional extra fees for Bird&Bird	no costs in 2014			- €	
Bank Account				17.40 €	
External admin. assistance	no costs in 2014			- €	
<b>Total External Expenses</b>		<b>8,450.00 €</b>		<b>1,927.26 €</b>	
<b>Total Expenditure 2014</b>		<b>31,812.50 €</b>		<b>21,400.96 €</b>	
<b>Main Account Balance at 31 December 2014</b>					<b>56,599.04 €</b>
<b>Sub-Account Consultation NOx/NOy measurements</b>			<b>Credit</b>	<b>Debit</b>	<b>Balance</b>
Cash contribution FZ Juelich			25,000.00 €		
Invoice #1 PO 2014-0001				9,780.00 €	
Bank Account				0.15 €	
<b>Sub-Account Balance at 31 December 2014</b>					<b>15,219.85 €</b>
<b>Balance 2014</b>			<b>Credit</b>	<b>Debit</b>	<b>Balance</b>
IAGOS AISBL Working Capital 31 December 2014	Main Account + Sub Account		71,818.89 €		
Return of Value Added Tax 2014			326.55 €		
Debts	Fee Schiffers & Collegen Steuerberatungsges. mbH			49.50 €	
	Income tax ES			64.00 €	
<b>Balance 2014</b>					<b>72,031.94 €</b>

# IAGOS AISBL

Rue du Trône 98  
1050 Brussels

Numéro d'entreprise: 0545.953.612

## Bilan au 31 décembre 2014

Valeurs EUR

	Case	2014 2014	2014 2014
<b>ACTIF</b>			
<b>ACTIFS IMMOBILISES</b>	20/28		
<b>I. Frais d'établissement</b>	20		
<b>II. Immobilisations incorporelles (annexe I, A)</b>	21		
<b>III. Immobilisations corporelles (ann. I, B)</b>	22/27		
A. Terrains et constructions	22		
1. Appartenant à l'association en pleine propriété	22/91		
2. Autres	22/92		
B. Installations, machines et outillage	23		
1. Appartenant à l'association en pleine propriété	231		
2. Autres	232		
C. Mobilier et matériel roulant	24		
1. Appartenant à l'association en pleine propriété	241		
2. Autre	242		
D. Location-financement et droits similaires	25		
E. Autres immobilisations corporelles	26		
1. Appartenant à l'association en pleine propriété	261		
2. Autres	262		
F. Immobilisations en cours et acomptes versés	27		
<b>IV. Immobilisations financières (ann. I, C et II)</b>	28		
<b>ACTIFS CIRCULANTS</b>	29/58	<b>72.145,44</b>	<b>72.145,44</b>
<b>V. Créances à plus d'un an</b>	29		
A. Créances commerciales	290		
B. Autres créances	291		
dont créances non productives d'intérêts ou assorties d'un intérêt anormalement faible	2915		
<b>VI. Stocks et commandes en cours d'exécution</b>	3		
A. Stocks	30/36		
B. Commandes en cours d'exécution	37		
<b>VII. Créances à un an au plus</b>	40/41	<b>326,55</b>	<b>326,55</b>
A. Créances commerciales	40		
B. Autres créances	41	326,55	326,55
411200 Compte courant TVA	41	326,55	326,55
dont créances non productives d'intérêts ou assorties d'un intérêt anormalement faible	415		
<b>VIII. Placements de trésorerie (ann. II)</b>	50/53		
<b>IX. Valeurs disponibles</b>	54/58	<b>71.818,89</b>	<b>71.818,89</b>
550000 Deutsche Bank	54/58	56.599,04	56.599,04
550100 Deutsche Bank	54/58	15.219,85	15.219,85
<b>X. Comptes de régularisation</b>	490/1		
<b>TOTAL DE L'ACTIF</b>		<b>72.145,44</b>	<b>72.145,44</b>



## Valeurs EUR

	Case	2014 2014	2014 2014
<b>PASSIF</b>			
<b>FONDS SOCIAL</b>	10/15	<b>72.031,94</b>	<b>72.031,94</b>
<b>I. Fonds associatifs</b>	10		
A. Patrimoine de départ	100		
B. Moyens permanents	101		
<b>III. Plus-values de réévaluation</b>	12		
<b>IV. Fonds affectés (ann. III)</b>	13		
<b>V. Bénéfice reporté</b>	140	<b>72.031,94</b>	<b>72.031,94</b>
* 140000 Résultat de la période en cours	140	72.031,94	72.031,94
<b>Perte reportée (-)</b>	141		
<b>VI. Subsidés en capital</b>	15		
<b>PROVISIONS</b>	16		
<b>VII. A Provisions pour risques et charges (ann. IV)</b>	160/5		
<b>B. Provisions pour dons et legs avec droit de reprise (ann. IV)</b>	168		
<b>DETTES</b>	17/49	<b>113,50</b>	<b>113,50</b>
<b>VIII. Dettes à plus d'un an (ann. V)</b>	17		
A. Dettes financières	170/4		
1. Etablissements de crédit, dettes de location financement et assimilées	172/3		
2. Autres emprunts	174		
B. Dettes commerciales	175		
C. Acomptes reçus sur commandes	176		
D. Autres dettes	179		
1. Productives d'intérêts	1790		
2. Non productives d'intérêts ou assorties d'un intérêt anormalement faible	1791		
3. Cautionnements reçus en numéraire	1792		
<b>IX. Dettes à un an au plus (ann. V)</b>	42/48	<b>113,50</b>	<b>113,50</b>
A. Dettes à plus d'un an échéant dans l'année	42		
B. Dettes financières	43		
1. Etablissements de crédit	430/8		
2. Autres emprunts	439		
C. Dettes commerciales	44	49,50	49,50
1. Fournisseurs	440/4	49,50	49,50
440000 Fournisseurs	440/4	49,50	49,50
2. Effets à payer	441		
D. Acomptes reçus sur commandes	46		
E. Dettes fiscales, salariales et sociales	45	64,00	64,00
1. Impôts	450/3	64,00	64,00
453100 Précomptes ret. à payer	450/3	64,00	64,00
2. Rémunérations et charges sociales	454/9		
F. Dettes diverses	48		
1. Obligations, coupons échus et cautionnements reçus en numéraire	480/8		
2. Autres dettes diverses productives d'intérêts	4890		
3. Autres dettes diverses non productives d'intérêts ou assorties d'un intérêt anormalement faible	4891		
<b>X. Comptes de régularisation</b>	492/3		
<b>TOTAL DU PASSIF</b>		<b>72.145,44</b>	<b>72.145,44</b>

## Valeurs EUR

	Case	2014 2014	2014 2014
<b>2. COMPTE DE RESULTATS</b>			
<b>I. Produits et charges d'exploitation</b>	D		
Ventes et prestations	70/74	103.000,00	103.000,00
700006 Cotisations	70/74	78.000,00	78.000,00
700007 Honoraires	70/74	25.000,00	25.000,00
dont Chiffre d'affaire	70	103.000,00	103.000,00
dont Cotisations, dons, legs et subsides	73		
Approvisionnements, marchandises; services et biens divers	60/61	(15.069,42)	(15.069,42)
611120 Loyers	60/61	(240,00)	(240,00)
613200 Honoraires	60/61	(11.384,50)	(11.384,50)
615100 Frais de restaurant	60/61	(1.758,00)	(1.758,00)
615120 Frais de voyage	60/61	(1.489,11)	(1.489,11)
616000 Petits matériel non amort.	60/61	(28,31)	(28,31)
616400 Remboursements de frais	60/61	(169,50)	(169,50)
<b>A.B.Marge brute d'exploitation (solde positif)</b>	70/61	<b>87.930,58</b>	<b>87.930,58</b>
<b>Marge brute d'exploitation (solde négatif) (-)</b>	61/70		
C. Rémunérations, charges sociales et pensions (ann. VI, 2) (-)	62	(15.881,09)	(15.881,09)
620200 Employés - Rémunérations	62	(13.179,33)	(13.179,33)
620210 Quote - part employeur assurance maladie	62	(1.003,83)	(1.003,83)
621000 Cotisations patr. d'ass. soc.	62	(1.697,93)	(1.697,93)
D. Amortissements et réductions de valeur sur frais d'établissement, sur immobilisations	630		
E. Réductions de valeur sur stocks, sur commandes en cours d'exécution et sur créances	631/4		
F. Provisions pour risques et charges (dotations -, utilisations et reprises +)	635/8		
G. Autres charges d'exploitation (-)	640/8		
H. Charges d'exploitation portées à l'actif au titre de frais de restructuration (+)	649		
<b>Bénéfice d'exploitation (+)</b>	70/64	<b>72.049,49</b>	<b>72.049,49</b>
<b>Perte d'exploitation (-)</b>	64/70		
<b>II. Produits financiers</b>	75		
<b>Charges financières (-)</b>	65	<b>(17,55)</b>	<b>(17,55)</b>
656000 Frais de banque	65	(17,55)	(17,55)
<b>Bénéfice courant (+)</b>	70/65	<b>72.031,94</b>	<b>72.031,94</b>
<b>Perte courante (-)</b>	65/70		
<b>III. Produits exceptionnels</b>	76		
<b>Charges exceptionnelles (-)</b>	66		
<b>Bénéfice de l'exercice (+)</b>	70/66	<b>72.031,94</b>	<b>72.031,94</b>
<b>Perte de l'exercice (-)</b>	66/70		

**IAGOS AISBL**  
**Rue du Trône 98**

**1050 Brussels**

**Bilan au 31/12/2014**

**Annexe: Honoraires**

Weynand & Partner PGmbH Eupenerstrasse 61 4731 Eynatten BE 0471.534.519	1.555,00
Dr. Andreas Volz - Thomas Am Kammerbusch 16 D - 41812 Erkelenz DE 296007292	9.780,00
Schiffers & Collegen Steuerberatungsges. mbH & Co. KG Schurzelter Straße 27 D-52074 Aachen DE 121683628	<u>49,50</u>
<b>Total</b>	<b>11.384,50</b>