

ASK FINANCIAL SUPPORT

FIRST NAME AND NAME OF THE OFFICER PROJECT: **JEAN MARIUS D'ALEXANDRIS**

DESIGNATION OF THE COUNTRY: **SENEGAL**

HEADING OF THE PROJECT: Watering of an agricultural production in Senegal, with waste waters coming from the dwellings close and purified beforehand in the process « BIOLOGICAL PIT » **Lyseconcept** for a biological treatment of purification

The Project already started. The farmer obtained drinking water connection for the farm at the SDE.

The seedlings are in SOWING: onion and groundnut.

Fault of having the total financing the project will proceed **THUS**:

Waste water connection by the SDE FAIT

Sowings and preparation of the ground, which was already useful in agronomy FAIT

The setting buries seedlings and watering by the water of the SDE FAIT

Reservation of the tank vehicle and its purchase. Its immediate actuation to fertilize the ground as soon as possible. The installation of the process.

Objectives:

The development of a biological agronomy. Economic and food alternative intended for a poor rural population. The Principal objectives of this project of organic farming will satisfy the five pillars with durable development since it is about:

- To generate jobs and incomes for the local population by retaining "engineering" tempted to seek the Eldora do European
- To contribute to a food autonomy of quality and the constitution of reserves
- To promote a respectful biological culture of the beings and mediums "replicable" with other territories, other productions.
- To bring a durable solution to the problems of the cleansing of waste waters first source of pollution of under grounds and the water tables
- To preserve a rare resource water

How you were informed ?

Web site Research in environment

- Summary -

Profile sheet	1
SUMMARY	2
Card-index summarized project	
Financial information's	4
SCIENTIFIC FILE	5
Composition of the team	5
Presentation of the project	5
Calendar of realisation	6
Expected results	6
Partners	6
Budget	6
Possible partners	7
Statement of the crop years of 2008 - 2009 - 2010 - 2011	8/9/10/11
Analyses of assessments of the crop years	12
CV of the person in charge of the Senegal project	13/14
Letter of motivation	15
CV of the person in charge of the France project	16
Letter of motivation	17

- Cards summarized of the project -

Keywords: waste waters, biological purification, recycling, fertilisation, need for water, agronomy and biological watering.

Summary of the project :

A young farmer of Senegal has an agricultural land on which for 5 years, it has cultivated agronomy with a less production of with a lack of water. It's informed that a process "Pit Biological" lyseconcept purifies in a biological way domestic waste waters by providing a water of watering fertilizing and enriching for the vegetable hiding. He gets in touch with the company lyseconcept because the process answers all these search criteria to conclude its project. Elements are already in place:

An agricultural farm, a farmer trained with the already collected agronomic culture several times, heat, domestic waste waters. It misses only the process to recycle these wastewaters.

Configuration

Its exploitation is in rural environment. 100 strewn dwellings rather close to its project surround it. Each house is equipped with a tight pit of a volume of 1 m³ to see 1,5m³ which stores the wastewater effluent and which must be drained once filled to the brim. These pits are drained per period at the time of an operation carried out by the administration. When the pit is full, in front of the requirement and without means of draining, the user empties it in front of his door.

The wastewater

Lyseconcept develops a system of treatment of purification biological of wastewaters per biological micro process. The wastewaters concerned with the project are wastewaters different from wastewaters of Europe. The biological parameters of the places of the project are identical certain are simply higher such as for example the temperature. The proportion "of drinking water" in wastewaters is on the contrary very low. The process is adapted by taking account of this difference. For example: in rural configuration in France with the current effluents the process is regulated for a time of transit evaluated between 12 and 15 days. The temperature can make it possible to reduce this time of transit.

Complementary

The wastewaters found in these tight pits cannot be used in the state. The farmer obtained a contract with the control of the water of Senegal. This drinking water supply will have two advantages for the project. From with dimensions it will dilute the concentrated natural pollution of this kind of wastewaters, other it will increase the quantity of water recycled for watering. The quantity of wastewaters available of the close tight pits is of 125 000 liters renewable with profusion. The procurement agreement of drinking water of the SDE is 10 000 liters of water, the unit which can give a possibility of watering of 1500 liters per easy day. It is necessary to take account of wintry times when watering will continue but just for the fertilization of the topsoil.

Méthod

Taking account of certain biological parameters will set up a specific protocol of collecting and transfer. A small tanker will practise a draining day labourer to come to transfer her taking away in the process. The wastewaters recovered in the end of the day are drained in the process during the night to avoid their deterioration and also a great evaporation.

Our participation

The company lyseconcept takes part entirely in this project. Indeed as of the discovery of the biological cleansing and the creation of the process of treatment "Biological Pit" lyseconcept, the finality of the biological treatment was always directed towards the watering of a vegetalized discharge system. Since, with the experiment and the returns more than satisfactory of the performance épuratoire of the process, the declared objective is to provide a water of watering for the vegetable garden, in extension for a farm. Establishment. The local digger is already accustomed to dig excavations to establish tight concrete pits.

The mason already built tight pits on the spot or took part in the installation of ready-mixed concrete pits. He proposes to build 3 pits of 10m³ each one with materials on the spot (solid brick aggro with 20 X 15 X 10) reinforced by a reinforcement of scrap.

A small hangar is envisaged to be gone up on the spot to shelter the guard as well as the photovoltaic equipment which will supply a cutting fluid pump (24v) to sprinkle the whole of the ground.

- Financial information-

Requested financial aid

Total budget of the project: 25 000€

Requested amount: 25 000€

That is say a part in priority (the vehicle cistern)

Date envisaged starting from the project: as soon as possible because agronomy is already in hand.

Financial calendar :

Years	Equipement	Operation	Expenses staff	Total years
2012	The vehicle cistern	9 000 €	0	9 000 €
2012	Biological pits	10 000 €	0	10 000 €
2012	Handing transport	2 500 €	0	3 500 €
2012	Various equipment	1 500 €	0	2 500 €
Totaux				25 000 €

Other funding sources envisaged or solicited for this project:

<i>Requested organisation</i>	<i>Amount requested</i>	<i>Amount obtained or dates envisaged answer</i>
Nothing		

Scientific file

Description of the research project:

- The scientific and technical file comprises following information
- The composition of the team the company lyseconcept, the farmer
- Allocation of the functions;

Partners of the project

Lyseconcept, inventor and creator of the process “biological Pit” lyseconcept on the spot carries out a transfer of biotechnology while taking part entirely in the establishment of the process.

The farmer on the spot manages the approach of the project, the diagram of establishment according to the directives of lyseconcept, coordinates the information system strategic plan of establishment, the installation with the various local partners. He finds a small truck plate on which a reserve of 1000/1500 liters will be fixed. The digger with his backhoe loader, The mason and his work force, The material merchant for the supply of materials necessary to the traditional production.

Presentation of the project

This young farmer is convinced that controlled agronomy is the solution for this country. He carried out his agronomic formation in a center of an ONG Christian woman of the name of YMCA/UCJG Senegal through a program of “camp International project” which consists in gathering young people come from Gambia, Guinea Bissau, the United States of America and Spain. During days, these young people are given thoroughly for the realization and the rehabilitation of certain infrastructures like agriculture, the dispensaries and the schools. “Since I got in touch with Mr D' Alexandris I found the hope to see being carried out my ideas in this project. Having made a bet with my childhood friends who left for Europe, I thought that it was necessary that I do something for their proving that I remained here in Senegal while having nevertheless a life descent. Sometimes the results got during the last crop years pushed me with all to stop and to want to make as them but the love which I have for agriculture retains me and sufficient courage gives me to continue”. Our approach The production from hardly 10% is not profitable for him as for the two blue-collar workers whom it employs. For 5 years he has hopelessly sought a solution to make profitable his production. Of our with dimensions small son of farmer as soon as we discovered the biological cleansing we were convinced that its finality was agronomy.

The process “Pit Biological” lyseconcept also will solve problems of cleansing.

Local context in which the project fits

A country in which a motivated farmer wants to produce agronomy towards and against very because it thinks that it is by that it will save the exodus of the young people of its country. Agriculture is a passion for him but he is confronted with universal problems the water provision. Its production is real but so weak that per moment it misses courage. A digger able to dig the excavation necessary to establish the device “Biological Pit” lyseconcept. It is a question of setting up 3 concrete reserves of a capacity of 10 m3 each one

for a volume of treatment of 30m³. The objective with this capacity for treatment is to provide 1,500 to 2,000 liters/day of water of watering. It is an experimental project, which must be used as model with other projects quickly. A mason able to build the device on our recommendations and under the direction of the initiator of the project. After the excavation carried out it runs the basic flagstones of pit while having reinforced the concrete by scrap which goes up on with dimensions ones to come to cling later on the slab. The with dimensions ones will be assembled in brick agglos full, seals with cement as it is method for the tight pits. Scrap of with dimensions will join scrap of the slab, which will be run of a block with a reservation for a trap door of access inside. The fill will be done with sand, ground and stones collected at once.

Finished construction, the process will be operational after the time of drying necessary. The filling of the process with wastewaters coming from drainings of the tight pits will be done gradually until the complete filling of the 3 concrete tanks. The process will be then operational.

Scientific context

Lyseconcept with its establishment hundred on all France obtained a scientific certification established by an independent laboratory certified COFRAC. The invention presented to the Head office of the Environment of Brussels is recognized like an innovation and completely in conformity with the European regulation. So in Europe the concept articulates around an awakening "biology attitude" to respect drinking water in its use domesticates, in Africa and in Senegal in the major part of the rural regions it is only and single solution. The biological cleansing finds in Senegal of the biological parameters of operation beneficial for an optimum performance épuratoire. An average temperature of 35° with 40° all the year, prevalent element in the use of the process. An economic context in which agronomy is a factor of development. The wastewaters stored in the tight pits naturally present a biological character appropriate to the process. These waste waters injected into the process "Pit Biological" lyseconcept will undergo a completion of treatment of purification to provide a purified water which will contain fine organic matter particles in suspension as well as an active total colony count. An element fertilizing and enriching for the topsoil.

- Objectif(s)

Objectives of the project:

- To increase considerably the agricultural production by a contribution of water, abundant, free, enriching and fertilizing.
- To solve a problem of cleansing of wastewaters by taking into account the specific conditions to these territories. These people live much on the drinkable water provision coming from the water tables (puit). Used devices of treatment conventionally in Europe their waste waters purified in the natural environments reject. In Africa this kind of procedure is a position risk the water tables.

Lyseconcept

To put in function a site controls treatment of specific waste waters to provide a water of watering to a local agriculture.

To take account of the local biological parameters and to adapt the process to the geographical zone but also to the local Life in Senegal.

To envisage options of enlarging and evolution of the process according to the results got after a few months of use.

The experimental project will be generalized for this country but also on all Africa. The farmer

To develop an agricultural production with a water supply coming from wastewaters of the habitat.

To learn how to manage this contribution of water enters the offer and its needs for water.

To familiarize itself with the biological cleansing to avoid polluting its entire device.

- Description of the project and methodology used

The domestic wastewaters of the habitat stored in tight pits contain organic matter of human origin as well as a diffuse pollution such as urea; ammonia the nitrogen mugs up phosphate and nitrate.

All these natural components are favorable for the development of the plants the tanker take the contents of a pit and come to inject it according to a protocol defined in the process. For 1000 liters injected 1000 liters of purified water will be dispersed at once. 100 liters of drinking water will follow to clean the tank and to dilute the pollution of wastewater at the same time

Studies will be carried out on the spot to be able to determine the volume of maximum water which can be injected as starter without harming the process "Biological Pit" lyseconcept and thus not to destroy the biological harmony of the agricultural land. The water of watering is not dispersed on the seedling but on the contrary in a zone of topsoil to also undergo a first natural treatment there (ground, sun, composting, evaporation, drying and again moisture) The tanker will never carry out its taking away of tight pit in full heat and the cistern is rinsed cleaned after each transfer. The drinkable water provision will provide for the need for leaving equipment in biological good state. Lyseconcept with the control of the process in European geographical location. The different situation of Senegal is rather positive that negative. If the process proves to be very satisfactory, an enlarging of the process will be able to take place to increase the agronomic production without important financial costs. The process is powerful according to the biological quality of the effluent of entry. The quantity of the entering volume of waste waters determines the time of transit according to the capacity for treatment of the pits, which qualifies to him the quality of the volume of water purified at exit. All these elements determine the volume of water available to watering.

- **The calendar of realisation**

The feasibility study has been finished for now 3 months. The whole of the financial budget is stopped. As soon as its financing is concretized the project can start. Time in Senegal arrives at the end of the rain season of winter with an average temperature of 30° and one returns in the part spring or the temperature is mild. It is the ideal period to start the agricultural project and to drain pits, which filled during wintry time

- Expected and deliverable results

A big first for a innovating project since to date agronomy is limited to the vegetable garden
A productive agronomy

A cleansing of waste waters ecological, economic and biological

- Possible partners, scientists and of ground (institutions, associations...)

- The local town hall

Administration of Senegal

The Minister for the ecology of Senegal, which is a representative with the African union

Scientists in agronomy

All ONG interested by the feeder output in Africa

The digger

The mason

The detailed budget including the other financial backers by specifying if they are acquired or in progress

For the moment no other financial backer for this project

Invoice crop year 2008

Designations	Quantity	Unit price	Total price	Observation
Ploughing	01	125 000	125 000	Fields Keur Sega
Seeds	01	20 000	20 000	Mais, Niébé, Gombo, Oseille
Powders	01	5 000	5 000	
Manure	10	1 000	10 000	
Lemon tress	25	300	7 500	
Under total			172 500	
Unforeseen 5%			8 625	
Total			181 125	

Invoice crop year 2009

Désignations	Quantity	Unit price	Total price	Observation
Ploughing	01	100 000	100 000	Fields Keur Sega
Seeds	01	75 000	75 000	Mais, niebe, gombo, oseille
Powders	01	10 000	10 000	
Manure	10	1 000	10 000	
Lemon tress	01	75 000	75 000	
Under total			270 000	
Unforeseen 5%			13 500	
Total			283 500	

Invoice crop year 2010

Désignations	Quantity	Unit price	Total price	Observation
Ploughing	01	75 000	75 000	Fields Keur Sega
Seeds	01	80 000	80 000	Mais, arachide, gombo, oseille
Powders	01	1 000	10 000	
Manure	10	3 500	35 000	
Under total			205 000	
Unforeseen 5%			10 250	
Total			215 250	

INVOICE CROP YEAR 2011

Designations	Quantity	Unit price	Total price	Observations
Ploughing	01	25 000	25 000	Fields Keur Sega
Seeds	80	400	32 500	Mais, gombo, oseille, arachide
Powders	01	5 000	5 000	
Manure	10	1 000	10 000	
Enclose	01	50 000	50 000	
Clearing	01	25 000	25 000	
Weeding	01	22 000	22 000	
Sow	01	40 000	40 000	
Recoltor	01	35 000	35 000	
Under total			249 500	
Unforeseen 5%			12 475	
Total			261 975	

BALANCE_ SHEET ANALYSIS

Year 2008

Harvests were very good and as it was my first harvest, I shared it between the various members of my family and my knowledge. As the tradition wants it, I had almost 300 kg of niébé for about ten sown kilo just as the sorrel and the okra, which I gave much in gift because the goal was not to market harvests.

Year 2009

It is one year of loss because I trusted much people, I allowed myself to send money without checking the state of progress of the work. Thus me false reports were given and when I wanted to know the truth, the things have escaped me. Thus I set out again without truly collecting in certain people let their animals digress in the field although there was a fence. I discouraged myself and I left the field. I could not understand only somebody who assoit on a branch can saw it. I learned much from the failure of 2009.

Year 2010

With the failure of the previous countryside, I did everything not to fall down in the same errors while being more vigilant. To give money when it was needed but also to avoid making the things blindness. It is during this year also that I started to encounter the true problems of agriculture to knowing the lack of water because it was enough that there remains one week without rainwater because the field is not team of system of watering of the distribution network the Senegalese Of Water (SDE). As a stage this lack of water has, I bought water barrels on the terminal public fountain of the village and also by renting a cart for the transport of water to the field. The monthly cost of this operation amounted to 5 000 CFA per month, I finished by more being able to ensure weekly transport between Dakar and the Field.

Year 2011

For a total of 261 975 CFA I have nothing any more but 60 000 CFA, the fruit of the sale of the groundnut hay. With more than 80 kg of cultivated groundnut peeled, I could collect only three groundnut hull bags, that is to say more than twenty kilos of peeled groundnut. The lesson of the previous crop year's reserve, it was necessary me to find a solution with this thorny problem: namely the element WATER. The lack of water made me lose much money because all had left well to be the most beautiful crop year since I bought the field. The cultures progressed positively until the moment when occurred three weeks without rain. Very crumbled like beure with the sun. Reason for which, this year 2012, I did not cultivate having exhausted all my economies. Despite everything the love that I carry to agronomy here in my country, all pushed me not to remain on the spot. But since I am in relation to Mr. D' Alexandris I intend to start a new campaign with the hope, which its concept can be installed on my field.

CURRICULUM VITAE

Name : GOMIS
First name : André Adende

Date and birthplace : 02 janvier 1979 à Ziguinchor
Nationality : Sénégalaise
Matrimonial situation : Marié 03 enfants
Address : Cité Gadaye Guediawaye
Such : (00221) 77 542 18 50 / 76 333 00 01
E-mail : Peutabagro@yahoo.fr

Principal fields of competence and of intervention

- ☐ Date processing, office automation
- ☐ Educational communities, vacation of center or leisures
- ☐ Agriculture and trade

Professional experience

Periods	Activities	Organisation
Of 2004 at our days	Assistant dispach rider in Maintenance	UCJG/YMCA-Sénégal
2007	Creation of AGRO-ALIMENTAIRE	
01/08/2005	Camp international building site	UCJG/YMCA-Sénégal
27/12/2004	Examination of monitor of educational communities	Ministère de la Jeunesse
20/10/2004 with 22/12/2004	Training course practises monitor of educational communities	UCJG/YMCA-Sénégal
27/09/2004 with 04/10/2004	Formation training of monitor of educational communities	UCJG/YMCA-Sénégal
02/08/2004 with 11/08/2004	Camp international building site	UCJG/YMCA-Sénégal
16 with 18 Juilly 2004	Training of the assistants un health of the reproduction	UCJG/YMCA-Sénégal
Du 30/06/03 with 30/10/03	<i>Trainee, person in charge of the accesses Internet, facilitation, formation, management, maintenance with info net young</i>	UCJG/YMCA-Sénégal

1 Secondary studies and Vocational training

Périods	Etablissements	Fields	Formation
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			and/or diplomas obtained
Février 2012	ADEPME	Accounts department and costing	Certificate of success
2007-2008	African	Evening cours Webmaster/Infographie	
2004	CEFAI/J	Maintenance	Certificate of success
2003	Infonet	Cours d'informatique relating to the applications	Certificate
2004-2005	Driving school UCJG/YMCA-Sénégal	Driving	Driving licence A1 category and B
2001	Processing south	Technician in processing	Diploma for the occupation of Technician in processing
1999-2001	Processing south	Training of Technician in processing accounts department and secretariat	Certificate of end of formation
1996-1997	College St Joseph de St Hyacinth de Djifanghor à Ziguinchor	Secondary study	BFEM

4- Langues

Internationals: • French, well; • English: Means; • Spanish: Means

Nationals: • Wolof, well; • creole: well • Manjacque: well

Additional activities

- ♦ Former President the Organization of the Association of the Young people of Peutab
- ♦ Former member of the Chaplaincy of the Holy College Charles Lwanga

Letter of motivation

OBJECT: letter of motivation

I come near your high benevolence to send an application to you. I am titular of about ten years of experiments in the field of the Community development and voluntary work. During years, I engaged in an ONG Christian woman of name UCJG/YMCA Senegal like volunteer and later like member of staff. Currently, I am with the department Maintenance and service mail. During these years, we organized in camps international building sites with Gambian Americans Spanish and Bissau Guinean in the villages of Senegal, or we planted trees, to repair or build structures of low (school, dispensary etc). My stay in 2005 in the Center of Berdine has made me reappear my passions in the field of agronomy. And in 2006, I acquired a field of one hectare and half in the village of Keur Séga in the rural community of Keur Moussa, after an invitation of training course in France for three months for which the visa was refused to me, I then decided to invest the money of the ticket given by a generous giver in a productive sector. I have experience in the agricultural domain, even if I did not always have E result discounts by a lack of water in the Field. Since 2008, I make work of the people in the field during the rain season because not having the means to make them work all the year. In more I created a structure of the name of AGRO-ALIMENTARY PEUTAB with which, I also work in the fight against poverty with women of Casamance and Guinea Bissau, while making come from the Products as lemon juice, palm oil, honey, fish smokes and dry and the seafood which I try to market in spite of thin the means.

I sincerely hope to add my contribution to the building of the development of Africa in general and Senegal in particular making profitable my know-how in the sector of agronomy. My wish is to show the young Africans, whom one can make a success of in his life while remaining at home and whom the development of Africa will be made by its youth. The rural populations must benefit from the assets, which they have to know the grounds source of car job creation. For this project the populations we will provide wastewater and in return the production will be sold to them at a very low price. For this purpose your structure goes completely in the direction of my professional aspirations. My experiments and my practices to work on the ground with the contact with the people enabled me to make profitable my relational qualities and my direction of listening. In addition I could perfect my managerial aptitudes in various human contexts.

Opened with the others, concerned to improve me, I can adapt and I have the direction of the responsibilities, of the organization and of the rigour, I have a very major desire to make a success of my professional insertion, thus allowing my blooming as well on the level personal and family. While hoping to be able soon to expose you more in detail my motivations I remain sincerely yours.

André Adente GOMIS

CURRICULUM VITAE

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61 years
French nationality
Licence B
Convery personal
In free couple
1 children

Diplomas and formation

1966 CEP

1966-1968 Dijon CAP of automobile mechanic

Fields of competence

Méchanic, Hydraulics, aeronautical technicality, electricity, electro plumbing to spare

Periods in companies

1966-1968	Automobile mechanics's apprentice dieselist
1968-1974	Marine Nationale
1974-1998	Ministry for the interior
1998-2006	Private industry
2000-2012	SARL lyseconcept

Other professional experiences

Formation dental prothesist
Private industry creation of all breakdown services in residence
Discovered Biological cleansing
Inventor of the Organic concept Town hall
Creative inventor of the "Biological Pit" lyseconcept
Inventor of the CEBRE Centers Biological Purification and of Ecological Recycling
Development of the concept: waste waters agronomy

Divers

Radio Telegraphist
Autodidact

LETTER OF MOTIVATION

OBJECT: The cleansing “Waste waters – AGRONOMY”

I am the creative inventor of the cleansing of purification of wastewaters per biological micro process. One morning I made a discovery, finally what I thought of being a discovery. It is encrusted in my brain and does not release me any more to become one felt then a conviction. As of this moment I only aspired to concretize it. The first experiment came to an end and filled well me beyond my hopes.

The first felt after my discovery was that the wastewaters could be used again for the watering of the vegetable garden. About ten years later I more than am convinced by it. During all this time it was a work of creation, experimentation, study and research, development on the heap in real condition of the life. I learned as much from people as I mixed with who transmitted their knowledge to me.

I am small son of farmer I was born in a farm on which I worked until my 17 years. Every year the manure pit was poured in the fields and the vegetable garden. I do not have any experience in the agricultural domain but I know that the result of an agronomic production depends entirely on the water of watering.

I sincerely hope to add my contribution to the building of the development of Africa in general and in particular with the project of Mr. Adonis to Senegal

My dreamed finally will provide to be carried out by this demonstration

Two things made emerge this project:

The many installations which I installation enabled me to refine the process and several establishments to date, sprinkle the vegetable garden.

The fortuitous meeting of a young farmer motivated at the time of the manifestation of the 6th World forum of water in Marseilles. I was the solution with his water problem.

More of this project is the alternative solution with the mode of cleansing of wastewaters practised in these dry areas. The drinking water is in the water tables but Africa has less natural rivers to disperse the pollution of wastewaters. This one is often rejected directly on the ground or into the ground with all the risks to infiltrate the penny ground.

While hoping to be able soon to expose you more in detail my motivations I remain sincerely yours

Jean Marius D’Alexandris

